Thank you for buying a Siemens mobile phone.

This user guide is designed to familiarize you with all the functions of your new phone. While reviewing this guide, please pay particular attention to the safety and PIN/Security precautions.

The wireless phone described in this guide is approved for use in TDMA 800, TDMA 1900, GSM 900, and GSM 1900.

FCC/Industry Canada Notice

Your phone may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, please contact your local service facility.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

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Safety Precautions

Switch off in hospitals or in the vicinity of medical devices (e.g., pacemakers or hearing aids). Mobile phones can interfere with the function of these devices.

Always use the hands-free kit for calls while driving! (p. 95)

Mobile phones must be switched off at all times in an airplane. Prevent accidental activation. (p. 66)

Switch off near gas stations, fuel depots, chemical plants or blasting operations. Wireless phones can interfere with the operation of technical installations.

Do not use optic magnification devices to examine the active infrared interface [Class 1 LED product (classified according to IEC 60825-1)].

The ring tone is reproduced through the earpiece.To avoid possible damage to hearing, first accept the call, then hold the phone to your ear.

SIM card may be removed. Caution: small parts could be swallowed by children.

The voltage specified on the power supply must not be exceeded.

We recommend you use original Siemens batteries (100% mercury-free) and charging devices. Otherwise, considerable health risks and damage to the product cannot be excluded.

Neither the phone nor the battery (100% mercury-free) should be opened under any circumstances. Changes to this device are strictly prohibited, as they will invalidate the type approval criteria required for operation of the unit.

Please observe:

Dispose of used batteries and phones according to the legal regulations.

Wireless phones can interfere with the operation of nearby TVs, radios, and PCs.

We recommend you use only original Siemens accessories to avoid possible damage and ensure that the phone complies with all relevant regulations.

Improper use invalidates the warranty!

Important: Read this information before using your wireless handheld phone.

As this mobile phone is equipped with a fixed (non-retractable) antenna, some paragraphs in the below text may not be applicable.

Antenna care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone operation

Normal position

Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on efficient operation

For your phone to operate most efficiently:

- Extend your antenna fully (if applicable).
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Laws pertaining to the use of mobile phones while driving vary significantly from state-to-state and sometimes even from locality-to-locality within states. For example, some areas may allow persons to use their mobile phones only if they employ a hands-free device, and some areas may prohibit the use of mobile phones entirely. Accordingly, Siemens recommends that persons check the laws for the areas in which they drive or will be driving. For areas where the use of mobile phones while driving is permitted, Siemens encourages persons to use their phones responsibly and to employ hands-free devices. Also, if using your phone while driving, please:

- Give full attention to driving — driving safely is your first responsibility;
- Use hands-free operation, if available;
- Pull off the road and park before making or answering a call, if driving conditions so require.

For vehicles equipped with Air Bags

An air bag inflates with great force. **DO NOT** place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Electronic devices

Most modern electronic equipment is shielded from radiofrequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturer's Association recommends that a minimum separation of six inches (6") be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON;
- should not carry the phone in a breast pocket;
- should use the ear opposite the pacemaker to minimize the potential for interference;
- should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider or your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturers of your devices to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

Airplanes

FCC and Airline Regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an airplane.

Check and comply with the policy of your airline regarding the use of your phone while the airplane is on the ground.

Blasting areas

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

Potentially explosive atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include: fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

Your wireless phone can be used to make emergency calls. Check to ensure you have a strong enough signal and that the battery has enough available charge.

You can make an emergency call from the main display screen.

You can either enter the local emergency number such as 911 and then press the (talk) key, or you can press and hold the red 9WXYZ key as a shortcut.

SAR (Specific Absorption Rate)

THIS SIEMENS S46 PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless Siemens S46 phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.* Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (for example, at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this Siemens S46 phone when tested for use at the ear is 1.12 W/kg, and when worn on the body, as described in this user guide, is 0.41 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.) While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

SAR (Specific Absorption Rate)

The FCC has granted an Equipment Authorization for this Siemens S46 phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this Siemens S46 phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID **PWX-S46**.

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only Siemens approved accessories. When carrying the phone while it is on, use the specific Siemens belt clip that has been tested for compliance.

Use of non-Siemens-approved accessories may violate FCC RF exposure guidelines and should be avoided.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at: http://www.wow-com.com. For SAR information in other regions please look under product information at: www.icm.siemens.com

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* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Overview of the phone

Infrared port

PC communication

Display indicators

Signal strength, battery level, status icons.

Left side buttons

During a call:
Adjust volume.

In menus and lists:
Scroll up and down.

In standby mode:
Press and hold lower button to activate voice control.

Address book key

Press for address book.

Call key

Accept calls or dial the displayed phone number.

Display outgoing calls (in standby mode).

Ringer

Press and hold ✱: Turn ringer on and off.

Device interface

Connection for charger, headset and additional accessories.

Earpiece

Soft keys

Voice memo button

Press and hold:
Start the recording.

Press:
Play recording back.

On/Off/End key

Press:
End call or go back one menu level.

Press and hold:
Turn phone on or off (in standby mode).

Return to standby mode (in menus).

Emergency key

Press and hold red 9WXYZ key to place an emergency services (911) call.

Key lock

Press and hold #: Turn key lock on and off.

Microphone

Display Symbols

On the phone display (selection):

Displays	
	Signal strength.
	Charging completed.
	Battery level indicator.
	All calls are forwarded.
	Ringer off.
	Short ringer (beep) only.
	Ringer sounds only if incoming number is in the address book.
	Alarm is set.
	Key lock active.
!	Transmission unencrypted.
	Phone numbers/names:
	SIM card.
	Phone memory.
	Restricted SIM card.
	No network access.
	Function active (in menus).
?	Unknown network function.
	Auto call answering on.
	Address book.
abc/ABC	Indicates whether upper or lowercase letters are active in text entry.
T9	T9® text input active.
	WAP Offline.
	WAP Online.
GPRS	Network supports GPRS.
GPRS	GPRS attached.
GPRS	GPRS connection active.
GPRS	GPRS attached but no connection currently possible.
	Infrared standby.
	Infrared transmission.
	Headset mode.
	Car kit active.

Calendar icons	
1-7	Weekly view.
1-31	Monthly view.
	Daily view (agenda).
	Memo
	Meeting
	Call
	Birthday
	Speech memo

Soft keys	
	Scroll up and down in menus and lists.
	Clear entry to left of cursor.
	Switch between settings (for example, a.m. to p.m.).
	Message received.
	Voice mail received.
	Missed call.
	Store in address book.
	T9 word selection.
	SIM services (example).
	Store in the archive.

Legend

This User Guide uses the following symbols:

	Enter numbers or letters.
	On/Off/End key. Press: End call or go back one menu level. Press and hold: Turn phone on or off (in standby mode). Return to standby mode (in menus).
	Call key. Accept calls or dial the displayed phone number. Display outgoing calls (in standby mode).
	Select the displayed soft key on the side indicated.
	Use the **left** soft key to scroll up and down in menus and lists.
Menu (shaded text)	Displays a menu or feature that can be started by simply selecting the soft key beneath it.
	Feature depends on the service provider. Special registration may be necessary.
GSM TDMA	Feature available only in GSM mode or only in TDMA mode as indicated.

User instructions apply the following format:

Press (key):
Briefly press the key indicated (normal key press).

Press and hold (key):
Press down and hold the indicated key to launch action.

Select soft key:
Press the soft key corresponding to the menu or feature selected.

Functions and options for various features available through the phone's onscreen menu are presented with descriptions in shaded menus.

Sample function/options menu:

(function)	(description)
View	Display the selected entry.
Save	Store an entry.
Edit	Display an entry for changes.
Delete	Delete an entry.

Your phone operates in either TDMA (Time Division Multiple Access) or GSM (Global System for Mobile Communications) mode. You can select one of these modes as the standard or use automatic selection (p. 78).
Availability of certain features depends on the mode in which the phone is currently operating.

Before using your phone:

❶

Insert the SIM card (p. 11)

Your service provider has supplied you with a SIM card that must be installed for both GSM and TDMA modes.

❷

Insert the battery (p. 12)

❸

Charge the battery (p. 12)

The battery must be fully charged before turning on phone for the first time.

❹

Turn the phone on (p. 13)

Press and hold On/Off/End key ( ).

❺

Enter PIN (p. 13) (if required in GSM mode)

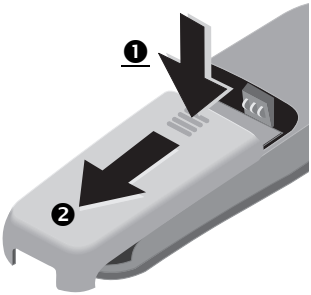
The SIM card may be protected with a PIN (**p**ersonal **i**dentification **n**umber). If required, you must enter your PIN after turning your phone on. For further details, please see the security information in the Setup chapter (p. 76).

After turning on your phone (p. 15)

Depending on your phone's configuration, several settings must be made after the phone has been turned on for the first time.

Remove battery cover

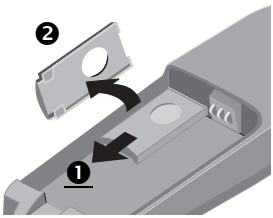
- Unlock battery cover ❶ and remove ❷.



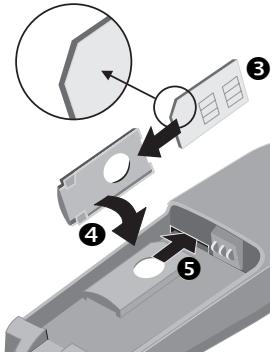
Insert SIM card

Your service provider has supplied you with a SIM card for your phone. The SIM card is required for the phone to operate in TDMA or GSM, and it contains important data for your GSM subscription.

If you have received your phone's SIM card in credit card size, snap the smaller piece out and remove any rough edges.



- Slide out the red SIM holder ❶ and turn it in the direction indicated by the arrow ❷.



- Insert SIM card in the holder ❸. Make sure the angled corner is in the correct position and the contacts are facing upward.
- Turn holder until the SIM card and contacts face the phone ❹.
- Slide the SIM holder back into the phone until it clicks into place ❺.

Security/PIN

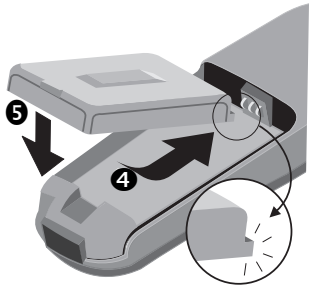
The SIM card can be protected against misuse with a 4 - 8 digit PIN (personal identification number). Depending on the type of SIM card, the PIN may be changed or the protection may be activated or deactivated (p. 76).

Type of SIM card

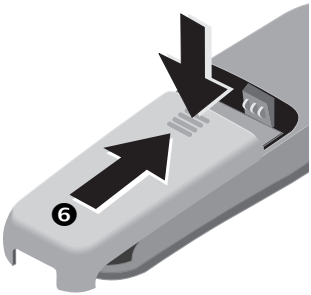
Only 3-Volt SIM cards may be used. Older SIM cards (5-Volt technology) are not supported. Please contact your service provider if you have an older card.

Insert battery

- Insert battery into the phone (❹ and ❺).



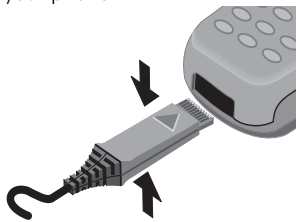
- Replace battery cover and push gently in the direction of the arrow ❻ until it clicks.



Charge battery

The battery is not fully charged when delivered. To charge your phone's battery:

- Plug the supplied charger into the device interface at the bottom of the phone and plug the power supply into the outlet. (Use only the charger supplied with your phone and charge for at least two hours).
- After charging, disconnect the charger from the phone by squeezing the top and bottom of the charger cable and pulling it out of your phone.



Charging

Your phone's display shows the following:

When charging is in progress.

When charging is complete.

An empty battery is fully charged after approximately two hours. Charging is only possible when the temperature is between 41°F and 104°F (5°C and 40°C). (The charge icon flashes as a warning when the temperature is above or below the stated values.) The voltage specified on the power supply unit must not be exceeded.

Standby and talk times

A completely charged battery provides up to 200 hours of standby time in GSM mode and up to 150 hours of standby time in TDMA mode. Talk time in GSM mode is up to 360 minutes and up to 150 minutes in TDMA mode. The standby and talk times are average values only and are dependent on operating conditions.

Battery level indicator (fully charged to empty):

A beep sounds when the battery is nearly empty.

Empty battery

If your mobile phone will not turn on and no charge icon appears, the battery may be completely empty and must be reactivated.

If this occurs, connect the phone to the charger. After 2 hours the battery will charge and the charge icon will appear.

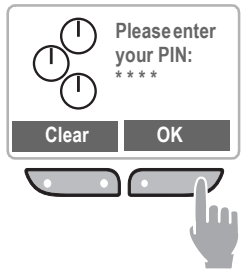
Turn phone on

Press and hold On/Off/End key to turn phone on.

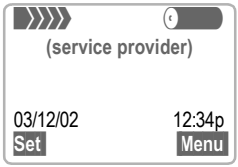
After turning on your phone with the SIM card inserted, you may need to enter your PIN, depending on your service provider.

Enter your PIN using the phone's keypad. (For security, the entry is displayed as a series of asterisks. If you make a mistake, select the **Clear** soft key and begin again.)

OK Select the soft key to confirm (see figure).



Logging on to the network takes a few seconds.



When the service provider is displayed, the phone is in standby mode and is ready for use.

SIM problems

If you see **Please insert your SIM card** on your display, check for possible causes (p. 88).

PIN

If your PIN is entered incorrectly three times, the SIM card is locked. Unlock with PUK (key code) (p. 76).

You may also change your PIN or activate or deactivate PIN control (p. 76).

If you do not have a SIM card, the phone can be used with limited functionality.

When you turn on your phone, you will be prompted to insert your SIM card. However, even without the SIM card inserted, you will still be able to place an emergency call by selecting the SOS soft key. You will also have access to the following functions in the phone's menu:

Demonstration
Games
Clock
Alarm clock
Calculator
Currency converter
Calendar
Appointments
Stopwatch

12.2.02 06-S46 Body.fm i 37 Am Engl, A31008 -H5450-A5-1-4A19

Phone settings

Network connection

The phone may be operated in either TDMA or GSM networks. When your phone is turned on, it automatically searches for the currently available network (p. 79).

Signal strength

After the network search has started, your phone's signal strength indicator is shown in the upper left corner of the display screen.

Indicates a strong signal.

Indicates a weak signal.

Display contrast

The display contrast may be adjusted (p. 74).

Your phone number

To keep track of your mobile phone number, it is recommended that you enter your new phone number in the SIM phone book's **<Own numbers>** folder for easy reference (p. 29).

Time/Date

After you have turned your phone on the first time, you will want to set the correct time and date (p. 62).

I

The SIM (Subscriber Identity Module) card contains a phone book which is available in addition to your phone's address book. The entries in the SIM phone book and the address book are managed separately; however, data may be exchanged between the two.

Import SIM card phone book

When a SIM card is inserted for the first time, or when it is changed, the phone book on the SIM card may be imported to your phone's address book.

In the SIM card phone book, each entry contains only one name and one phone number; therefore, some data fields in the phone's expanded address book will be left empty. Your phone's address book entries may be edited after the SIM phone book data has been imported (p. 25).

Do not interrupt the import process and do not accept calls during this time. Follow the instructions on the display.

To copy the data from the SIM phone book to your phone's address book later, use the **Copy into** function of the SIM phone book menu (p. 28).

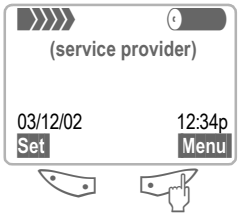
Menu Navigation

To describe the steps for menu access in this user guide, the following abbreviated notation is used:

Menu ➔ **Messages** ➔ **New SMS**

Here is an example of composing an SMS (short message):

1



Menu Select the soft key to open the main menu.

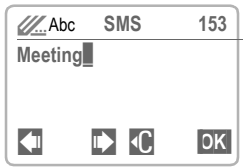
2

Select Use the left soft key to scroll through and highlight menu items. Highlight the **Messages** submenu and open it by selecting the right soft key.

3

Select Select the soft key to open the **New SMS** text editor.

4



Enter your message.

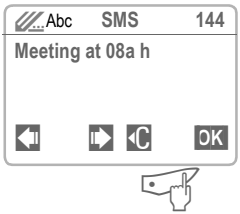
Using T9 to enter text quickly (p. 37)

T9 text input allows you to enter text by using just one key press per letter. Simply press the key where the relevant letters are located once.

- Insert a blank by pressing once.
- End a word.
- Delete text directly to the left of the cursor.
- View additional word options.

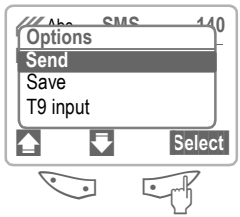
Menu Navigation

5



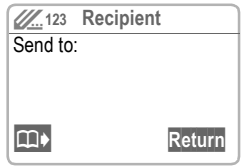
OK Start the **Options** submenu by selecting the soft key.

6



Select Select the option.

7



Enter phone number.

or

Select from the address book.

OK Select soft key to confirm.

Send Select soft key again to send message.

(If **Message type**, **Validity period** or **Service center** are requested, the SMS set-up options have not been set. Please see p. 39.)

Save Select soft key to save the message.

Press and hold to return to standby mode.

Menu navigation shortcut: You can also navigate through menus using your phone's keypad. Each menu branch has a number corresponding to its level (and sub-level) within the phone's menu tree. (These numbers appear in the upper right corner of your phone's display screen.) For example, to go to the Appointments menu from standby mode, select the Menu softkey, then enter 3 (Office), 3 (Organizer), 2 (Appointments) on your keypad.

Dialing

To dial a phone number, the phone must be on and in standby mode. When the screensaver is activated (p. 74), press any key to return to standby mode before dialing.

Enter the phone number with prefix **(for example, 1-858-555-1234)**.

Select soft key to clear the last digit. Select and hold to clear the entire number.

Store number in the address book (p. 24).

Press.The number on the display is dialed.

For information on dialing international calls, see page 23.

End call

Press.

This key should be pressed even if the person to whom you were speaking has already hung up.

Accept call

Accept Select soft key.

or

Press.

Your phone can be set up answer incoming calls using any key (p. 75).

Reject call

Reject Select soft key.

or

Press.

If **Call Forward** is set, the caller will be forwarded to voicemail or another number you have entered (p. 52).

Busy signal

If the number you call is busy or cannot be reached, the following options are available (depending on your service provider):

Call back Select soft key. GSM

Your phone will ring when the busy number becomes available. Press to dial number.

Options Open menu.

Call back	See above.
Prompt	**Reminder** A beep reminds you to redial the displayed phone number after 15 minutes.
Auto dial	**Auto redial previous number** The number is automatically dialed for up to 15 minutes at increasing intervals. During this period, no other number can be dialed. To end, press End key or select Off.

An incoming call will end the function.

Redial

To redial the last number dialed:

Press twice.

To redial other previously dialed numbers:

Press once for a list of your 10 most recent numbers dialed.

Scroll to the desired phone number.

Press to dial number.

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During a call

Call waiting

You may need to register for this service with your service provider and set your phone accordingly (p. 80).

If an incoming call arrives while you are on another call, a special beep alerts you to the new incoming call. Your phone will also display the following options:

Swap

Swap Select the soft key to place the current call on hold and accept the waiting call. (You may also press .)

To switch back and forth between the two calls, select **Swap** each time.

Reject

Reject Reject the incoming call. The caller will hear the busy tone.

or

Call Fwd If this is set, the caller will be forwarded to voicemail or another number you have entered (p. 52).

End current call

End the current call.

Accept Accept the new call.

Set volume

During a call, you can adjust the earpiece volume by pressing the buttons on the left-hand side of the phone.

If a car kit is used, its volume setting does not affect the existing setting on your phone.

Voice Memo

To record a call, press and hold the voice memo key (p. 54).

The use of this feature may be subject to restrictions under criminal law or other legal provisions. Please inform the other party in advance if you intend to record the call. You may only use this feature if the other party consents to being recorded.

To play back a recording (the person on the other end of the line also hears it), press the voice memo key on the right-hand side of the phone.

Phone number memo

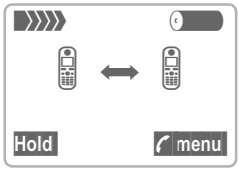
You can enter a number with the keypad during a call. (The person on the other end of the line will hear the key beeps as you enter the number.) The number can be saved or dialed after the current call has ended.

Swap/Conference

Some functions may not be supported by your service provider.

It is possible to place another outgoing call during a call. You may then switch back and forth between each call or link all calls together in a conference call.

During a call, inform the other party of your intention, then:



Hold Select soft key to place the current call on hold.

With the first call on hold, you can now dial a new number. When the connection is established, the following options will appear:

Swap GSM

Swap Select to switch back and forth between the two calls.

Press to end current call. The following is displayed: "Return to held call?"

Yes Select to return to the held call.

or

No Select to end the held call.

Conference GSM

menu Select to open call menu, then select **Conference**.

A held call is added to the other party or parties. A conference call may include as many as four other callers.

To end a conference call:

Press. All calls are ended simultaneously.

Swap/3-way Call TDMA

In TDMA mode, a call may have up to three subscribers.

During a call, press once to display **Calls dialed** list.

Select number you wish to add to call.

Press to call second subscriber. Once the call is connected, press again to begin 3-way call.

To end:

Press. All calls are ended simultaneously.

Call transfer GSM

menu Select to open call menu, then select **Call transfer**.

The original call is joined to the second one. For you, both calls are now ended.

Call menu

The following functions are available only during a call:

menu Select to open menu.

Microphone on	Turn the microphone on or off. When off, the person on the other end of the line cannot hear you. DTMF signals (key beeps) can still be heard if you use the keypad. (You can also press and hold (*) to turn the microphone on and off. You and the other caller will hear a key tone.)
Volume	Adjust earpiece volume.
Conference	See page 21. GSM
Time/cost	While the connection continues, the call duration and (if set, page 51) the call cost are displayed.
Send DTMF	See page 22.
Call transfer	See page 21. GSM
Main menu	Access the main menu.
Call status	List all held and active calls (for example, participants in a conference call). GSM

Send DTMF tones

You can enter digits during a call to operate an answering machine or respond to any other system that requires a touch tone response. These digits or codes are transmitted directly as DTMF (Dual Tone Multiple Frequencies) signals.

DTMF signals are the key beeps you hear when entering a number on a touch tone phone.

To send DTMF tones during a call:

menu Select to open call menu, then select **Send DTMF**.

Enter the digits or control code.

OK Select to send tones.

Control codes (DTMF tones) stored in the address book (p. 27) or in the SIM phone book (p. 30) can also be used.

International Calling

Your phone has been designed to simplify making calls between countries and to be used when travelling from country to country.

International Dialing Codes

Many international dialing codes (country codes) are stored in your phone. To locate these codes:

0 + Press and hold until a "+" symbol appears. (In GSM mode, the "+" replaces the prefix for international access.)

+List Select soft key.

Select the desired country. Press the key corresponding to the first letter of the desired country, then scroll to select the appropriate country code. The international dialing code is displayed.

Placing International Calls

To place an international call in GSM mode, simply follow the steps above, then enter the phone number and press ✆. For example, to dial Germany from the US, press and hold 0 +, then select +List. Press 4 GHI to find the country code for Germany (the +49 is displayed at the top), select Select and enter the number.

To place an international call in TDMA mode, you may still access the international dialing codes through +List, but you will be prompted to enter the international access prefix.

Babysitter

With **Babysitter** activated, calls may be made to only one, user-defined phone number, which is dialed by pressing and holding the right soft key.

Activate Babysitter

Menu ➔ Setup ➔ Security ➔ Babysitter

Select Select soft key to select **Babysitter**.

Enter phone code (see instructions below).

OK Confirm code.

Change Select soft key.

Select a phone number from the address book or enter a new one (with name). The babysitter is now active.

Turn Babysitter off

Press and hold.

Enter phone code.

Change Select soft key.

OK Confirm code.

Phone code

When first prompted, you define and enter the phone code (4 - 8 digits).

Please do not forget this code!

It applies to other functions as well, but it may be changed at any time (p. 76).

Address Book

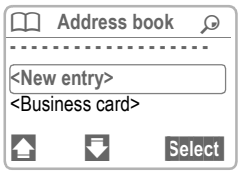
The entries in your phone's address book are managed separately from those in the SIM phone book. Data may be exchanged between the address book and the SIM phone book.

For details see **Copy to SIM** in the address book menu (p. 26) or **Copy into** in the SIM phone book menu (p. 28).

Up to 400 entries may be stored in your phone's address book, depending on memory usage.

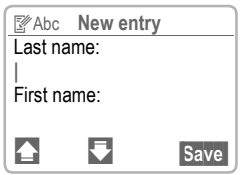
New entry

Press to open address book (in standby mode).



Select **<New entry>**.

Select soft key.



Enter entry's name and phone number (p. 25).

Scroll through fields to enter additional information.

Last name:	**Fax:**
First name:	**Street:**
Company:	**Postal/ZIP code:**
E-mail:	**City, State:**
Phone:	**Country:**
Tel./office:	**URL:/SMS:**
Tel./mobile:	**Group:**

Save Select soft key to store and save entry.

URL:/SMS:

In TDMA mode, you may use this field to store the SMS address of someone using a different service provider.

Group

Important entries may be assigned to a special group (VIPs).

VIP entries are displayed at the top of the address book (p. 26).

You can set your phone's ringer so that it only sounds for incoming calls from VIP numbers (p. 73).

Calls from VIPs may be announced by a special melody (p. 71).

Phone number

Enter the complete phone number including the prefix, area code, and long distance or international dialing code if necessary (p. 23). This will simplify using the address book to place calls when outside of the area code.

Text entry (see also page 37**)**

Press digit key until the required letter is displayed. The cursor advances to the next space after brief delay.

2 ABC Press once for **a**, twice for **b**, etc. The first letter in each name is automatically written in UPPERCASE.

1 -9 Numbers are displayed after the relevant letter.

C Select to delete the letter to the left of the cursor, or select and hold to erase the entire entry.

Left soft key can be used to move cursor up and down or left and right, depending on feature.

* Press to toggle between UPPERCASE, lowercase and digits entry.

Press to activate or deactivate T9 text input.

0 + Press to enter: . , ? ! 0 + - :

1 Press to end a word and add a space.

Special characters

&, @,... Additional symbols (p. 37).

View and edit entries

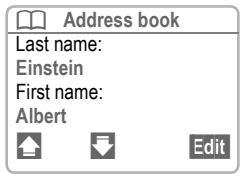
All entries may be accessed through the address list.

Press to open address book (in standby mode). (Press again to switch to SIM phone book.)

Scroll to highlight the desired entry.

Options Select soft key to open options menu.

View Select to display the entry.



Edit Select soft key to open record for changes.

Make the required changes.

Save Select to save and store the entry.

Voice dial

From the address book, you can set up voice dialing for an entry by selecting **Voice dialing** from the options menu (p.28).

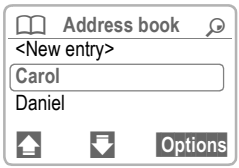
See also “Voice control” on page 31

Address Book

Call an entry

Press to open address book (in standby mode).

Select a name by entering the first few letters or scrolling to the desired entry.



Press to dial the number for the highlighted name.

(If an entry contains more than one number, they will all be displayed. Scroll to select the number you wish to call and press to dial the number.)

Search for an entry

Searching through large address books can be simplified by entering the first letter of the entry for which you are searching. For example, to find "Fred Johnson," simply press the 5JKL key to jump to the letter "J" in the address book.

The first entry that begins with this letter is displayed.

The search letters are displayed in the upper right-hand corner of the screen next to the magnifying glass icon ( ).

Address book entry

The following functions are available in the menu for address book entry. (Availability of options varies according to the current task.)

OK Select soft key to open address book menu.

Save	Store entry in address book.
View	See page 25.
Group sorting	Show the address book as an alphabetical list or with the entries of the VIP group (p. 24) at the top.
Edit	Display the entry for changes.
New entry	See page 24.
Delete	Delete entry.
Delete all	Delete all address book entries (after confirmation).
Copy to SIM	Highlighted entries are copied (one name and one phone number each) to the SIM card phone book.
Phone book	Switch to the SIM phone book (p. 28).
Send/print	Use IrDA or SMS to send or print data. See page 87.
Import	Import IrDA data. (See page 82 for connectivity information.)
Voice dialing	Set up voice dialing for an entry.
Capacity	Display the capacity used and available.

Store control code

Phone numbers and control codes (DTMF tones) may be stored together in the address book as standard entries. Control codes may be used to access answering machines or voicemail or to respond to any other system that requires a touch tone response.

To store a phone number with pauses for control codes (DTMF tones):

- Enter phone number.
- 0 + Press until a plus ("+") symbol appears on the screen to insert a three-second pause.
- Enter DTMF signals (digits).
- 0 + If necessary, insert additional three-second pauses.
- Select soft key to copy the entry to the address book. If required, assign a name to the entry.
- Save Select soft key.

DTMF signals (digits) may also be stored in separate address book entries and sent during a call (p. 22).

Extending numbers

Using an external PC program such as Microsoft Outlook®, parts of a phone number can be replaced by a question mark ("?") and then transferred to your phone's address book. This functionality can be useful in navigating automated office switchboards such as PABXs (Private Automatic Branch Exchanges).

To call:

- Press to open the address book, then select the partial phone number.
- Press.
- Replace "?" with digits.
- Dial phone number.

Synchronizing with Outlook®

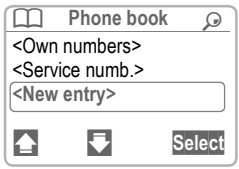
With the Siemens Quick Sync software (p. 84), you can synchronize the address book with your Outlook® database.

Siemens Quick Sync software is available for download at the Siemens web site **www.icm.siemens.com**.

The entries in the SIM phone book (**SIM card only**) are managed separately from those in the address book. However, data can be exchanged between the SIM phone book and the address book.

New entry

Menu ➔ Office ➔ Phone book



<New entry> Select soft key.

Select input fields.

Make the following entries:

Number (with prefix)
Name
Group
Location (p. 29)
Record no. (p. 29)

OK Open menu.

Save Store entry.

Press to dial number.

or

Press to return to standby mode.

If entries are copied from the SIM phone book to the address book, other data may be added later (p. 25).

SIM phone book menu

The following functions are available in the SIM phone book menu. (Availability of options varies according to the current task.)

Options Select soft key to open phone book menu.

Save	Store entry in the SIM phone book.
View	Display the selected entry.
Edit entry	Display the entry for changes.
New entry	See heading at left.
Delete	Delete entry.
Delete all	Delete all SIM phone book entries (after confirmation)
Voice dialing	Set up voice dialing for an entry (p. 31).
Copy into	Copy selected entry to the phone address book.
Copy all to	Copy all SIM phone book entries to the address book.
Address book	Switch to the address book (p. 24).
Send/print	Use IrDA or SMS to send or print data. See page 87.
Import	Import IrDA data. (See page 82 for connectivity information.)
Capacity	Display phone book capacity used and space available.

Shortcut to SIM phone book:
Press 1 , then press and hold #.

Location

To move an entry from the SIM phone book to another storage location (SIM phone book must be open):

Select an entry.

Options Select soft key to open options menu, then select **Edit entry**.

Select **Location**.

Change Select soft key to change location setting.

SIM

Numbers stored in the phone book on the SIM card may also be used on another GSM phone.

Protected SIM

With a special SIM card, phone numbers can be stored in protected locations. PIN 2 is required to edit protected entries (p. 76).

Mobile (phone memory)

SIM phone book entries are stored here, if

- voice recognition is assigned, or
- the SIM card memory is full.

Record Number

A reference number is automatically assigned to each new entry. This number can also be used to dial.

To dial an entry using the record number

Enter the record number.

Press to display the name or phone number.

Press to dial number.

Edit record number

When the SIM phone book is open:

Select an entry.

Options Select soft key to open options menu, then select **Edit entry**.

Highlight **Record No**.

Change Select soft key repeatedly to scroll through available record numbers.

Save Select soft key to save new record number.

Own numbers. To keep track of your mobile phone number as well as various other numbers you may use, the SIM phone book has an area set aside: **<Own numbers>**. You may enter up to five numbers for easy reference.

Store control code

Phone numbers and control codes (DTMF tones) may be stored together in the SIM phone book as standard entries. Control codes may be used to access answering machines or voicemail or to respond to any other system that requires a touch tone response.

To store a phone number with pauses for control codes (DTMF tones):

Enter phone number.

0 + Press until a plus ("+") or "P" symbol appears on the screen to insert a three-second pause.

Enter DTMF signals (digits).

0 + If necessary, insert additional three-second pauses.

If necessary, insert a wait, which is similar to a pause except that the digits to the right of the **w** are not sent until you press send.

Select soft key to copy the entry to the address book. If required, assign a name to the entry.

OK Select soft key.

DTMF signals (digits) may also be stored in separate phone book entries and sent during a call (p. 22).

Service numbers

Certain phone numbers may have been pre-programmed by your service provider in the SIM phone book's service numbers folder. These numbers typically provide access to information services from your service provider.

Protected phone numbers

Please note that the use of your SIM phone book may be restricted (usual for some business applications). For example, incomplete phone numbers may be indicated by a "?". These can be completed before dialing.

Voice Control

Up to 20 phone numbers or functions may be activated through the phone's voice control feature.

Record voice controls

Voice dialing phone numbers

Menu ➔ Office ➔ Voice control ➔ Voice dialing

A list of voice dial entries is displayed (if any have been recorded).

Select **New record**.

Select — Select soft key to start a new voice dial entry.

Enter name and phone number.

or

Press to retrieve listing from address book.

Save — Select soft key to confirm entry.

Start — Begin recording.

After the first beep sounds, say the name or word you want recorded. Repeat the same name or word after the second beep sounds. A final beep confirms the recording.

Voice command for functions

Tasks and features such as appointments, calculator and Internet may be activated using voice commands.

Menu ➔ Office ➔ Voice control ➔ Voice command

A list of available functions is displayed.

Select a function.

Record — Select soft key to record.

Yes — Confirm your selection.

Start — Start the recording.

After the first beep sounds, say the name or word you want recorded. Repeat the same name or word after the second beep sounds. A final beep confirms the recording.

Apply voice controls

Press the lower button on the left side of your phone to activate voice control (in standby mode).

Now, say the voice dial name or voice command function name. The number is dialed or the function carried out.

Voice control menu

Menu ➔ **Office** ➔
Voice control ➔
Voice dialing
(or Voice command)

Highlight an entry.

Options Select soft key to open options menu.

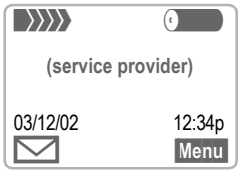
View	Display name and phone number.
New record	Start a new recording.
New sample	Re-record the entry.
Delete	Delete entry.
Edit	Edit name and phone number. Then, re-record if necessary.
Delete all	Delete all voice dialing or voice command entries (after confirmation).
Play	Play back the recording.

You may send and receive SMS (Short Message Service) messages of up to 160 characters in length with your new phone.

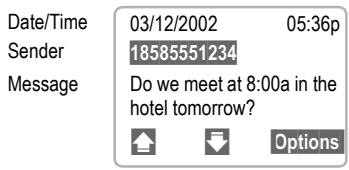
Depending on the service provider, e-mails and faxes may also be transmitted via SMS (see "Setup" on page 39). E-mails can also be received as SMS messages.

Read Messages

Envelope icon indicates a new message.



Select the soft key underneath the envelope icon to read the message.



Scroll to read the entire message:

Line by line using the left soft key.

or

Page by page using the left side buttons.

Reply menu

Options Select soft key.

Reply Select to open the reply menu.

Write message	Compose a new reply text (p. 35).
Edit	Edit message received or assign a new text to it.
Answer is YES	Add YES to the message.
Answer is NO	Add NO to the message.
Please call back	Add standard text to the message: "Please call back."
Delay	"I'll be late."
Thank you	"Thank you."

When the message has been edited, it can be stored or sent from the **Options** menu by selecting the **OK** soft key.

The memory is full when the message symbol flashes. No more SMS messages can be received. To free up memory space, delete or save messages (p. 34).

Highlighted numbers in a message may be dialed (press), stored in the address book (p. 24) or used as a reply address.

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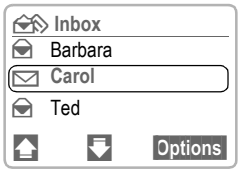
Inbox/Outbox

Menu ➔ Messages ➔ Inbox (or Outbox) ➔ SMS

The list of saved messages is displayed.



Options Select soft key.

Icon	Inbox	Outbox
	Read	Not sent
	Unread	Sent

Archive

Menu ➔ Messages ➔ Inbox (or Outbox) ➔ Archive

The list of the archived messages is displayed.

Inbox/Outbox/Archive Menus

(Availability of options varies according to the current task.)

Options Select soft key to open Options menu.

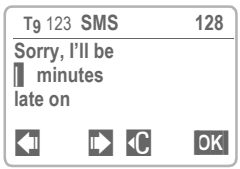
View	Display entry.
Reply	Open reply menu. (Inbox only)
Forward	Forward message to another user. (Inbox only)
Send	Enter number or select from address book, then send.
Edit	Open editor for changes.
Delete	Delete selected message.
Delete all	Delete all messages in folder (after confirmation).
Capacity	Display maximum number of saved messages and the capacity remaining.
Mark as unread	Mark the message as unread.
Status report GSM	Request delivery confirmation for sent messages. (Outbox only)
Save no. to	Copy the selected phone number to the address book.
Move to archive	Move the message to the archive.
Print via IrDA	See page 87.

Use SMS sample

Several standard messages are stored in the phone. You only need to fill in the incomplete information such as time and date.

Menu ➔ **Messages** ➔ **Use SMS sample** ➔ **Delay, Appointment or Thanks**

The cursor appears at the first input point (for example, before "minutes"):



Fill in the information.

Scroll to the next input point.

OK Select soft key to open text menu.

Send Select.

Enter number or select from the address book and select **Send**.

When composing SMS messages and e-mails, special characters and punctuation entry may differ between GSM and TDMA modes.

Compose SMS

Menu ➔ **Messages** ➔ **New SMS**

Compose message by using the keypad to enter letters and numbers. You may also use **T9 Text Input** (p. 37), which allows you to compose long SMS messages using just one key press per character.

C Select soft key to delete character to the left of cursor. Select and hold to delete the entire entry.

After the message has been composed, either:

Press.

Enter recipient's phone number or select entry from the address book.

OK Select soft key to confirm.

Send Select. The message is sent to the service center for transmission.

Save Select to save message.

or

OK Select to open text menu (p. 36).

Send Select to send message (p. 87).

Message type, **Validity period** or **Service center** may be requested (p. 39).

Create new e-mail

Menu ➔ Messages ➔ Create new email

Enter recipient's e-mail address or select entry from the address book.

Compose message by tapping the keypad to enter letters and numbers. You may also use **T9 Text Input** (p. 37), which allows you to compose long e-mail messages using just one key press per character.

Clear Select soft key to delete character to the left of cursor. Select and hold to delete the entire entry.

OK Select soft key twice to confirm message and enter options menu.

Select Select **Send**.

Send Select. The message is sent to the service center for transmission.

Text options menu

OK Select to open options menu.

Send	Enter the recipient's number or select from the address book, then send.
Save	Save the composed message in the outbox list.
Set urgency	Choose priority level. TDMA
Callback number	Set reply phone number. TDMA
Privacy level	Set privacy level (0-3). TDMA
Acknowledgement	Select requested receipt action. TDMA
T9 input (p. 37)	**T9 preferred** Activate or deactivate T9 text input. **T9 language** Select language in which the message is to be composed.
Insert new line	Insert new line. TDMA
Line feed	Enter a line break.
Clear text	Delete all text from message.
Insert from...	Insert text or number field from an address book entry.
Print via IrDA	See page 87.

Information on transmission confirmation

Transmission of an SMS or an e-mail is confirmed with **Message sent**. This only confirms that the message has been transmitted. It does not guarantee that the message has been received by its addressee. A retry option is available if the message cannot be sent. Contact your service provider if the retry attempt also fails.

Text Entry Tips

When entering text for address book listings, SIM phone book entries, e-mails, SMS messages or for any other application, please keep in mind the following helpful hints:

Press (*) before entering text to toggle between UPPERCASE and lowercase letters. Press twice to toggle between letters and digits.

Press (1) to end a word and add a blank space.

Press (0) to end a word and add a period. It also acts as a wildcard character for an apostrophe or hyphen in a word. For example, Provider.s = Provider's.

Press to move the cursor to the right. Ends a word.

Press (#) to temporarily deactivate T9. Press once again to reactivate T9.

Special characters

Press the key repeatedly until the letter is displayed. To write special characters after numbers (for example, 5£), press (*) first to switch to letter mode.

(1)	Blank	1	€	£	$	¥	¤		
(0)	.	,	?	!	0	+	-	:	¿
	¡	“	’	;	_				
(*)	*	/	(	)	<	=	>	%	~
(#)	#	@	\	&	§	Γ	Δ	Θ	Λ
	Ξ	Π	Σ	Φ	Ψ	Ω			

T9® Text Input

T9 Text Input determines likely word matches from individual key entries by making comparisons with an extensive dictionary.

Select T9 text input

To select T9 text input for message composition:

OK Select soft key to open text options menu while in message composition screen.

Scroll to select **T9 input**, then select **T9 preferred** to set T9 as default. (You may also select the language you wish to use for composition by selecting **T9 language** and scrolling to the language.)

Press to return to message composition.

Enter text using T9

Press the keys once where the relevant letters are located. For example, to enter the word “hotel”: (4GHI) (6MNO) (8TUV) (3DEF) (5JKL):

hotel

T9 even converts language-specific special characters (such as ä, à). Simply compose the message using the respective standard character, for example, **A** instead of **Ä**.

If the word that T9 suggest is not what you intended, see “T9 word suggestions,” page 38.

T9 word suggestions

Several word options exist in the T9 dictionary for various key press combinations. The most commonly used word is displayed first. If this is not the intended word, scroll through additional T9 options.

The word must be highlighted.

1 2 3 Select the soft key. The displayed word is replaced with a different word. If this word is also incorrect...

1 2 3 Select again. Repeat until the correct word is displayed.

If the word you want does not display, it may be entered without T9 or added to the T9 dictionary. If no word displays, T9 prompts you to add the word to its dictionary.

Spell Appears in the lower right corner. Select soft key.

Enter word using multi-key entry (without T9).

Save Select soft key. The word is added to the T9 dictionary.

Word correction

For entries that have been created using T9:

Move word by word to the left or right until the desired word is highlighted.

1 2 3 Scroll through the T9 word suggestions again.

C Delete the letter to the left of the cursor **and** display a new possible word.

For entries that have **not** been created using T9:

Move character by character to the left or right.

C Delete the letter to the left of the cursor.

Insert letters, symbols and digits at the cursor position.

T9® Text Input is licensed under one or more of the following: U.S. Pat. Nos. 5,818,437, 5,953,541, 5,187,480, 5,945,928, and 6,011,554; Canadian Pat. No. 1,331,057; United Kingdom Pat. No. 2238414B; Hong Kong Standard Pat. No. HK0940329; Republic of Singapore Pat. No. 51383; Euro.Pat. No. 0 842 463 (96927260.8) DE/DK, FI, FR, IT, NL, PT,ES, SE, GB; and additional patents are pending worldwide.

Message setup

SMS transmission characteristics are defined within profiles (there may be up to five separate profiles).

GSM and TDMA profiles are preset.

Menu ➔ Messages ➔ Message setup ➔ SMS

A list of available profiles is displayed. To activate a new profile, select Options and Activate using the soft key.

Options Select to open menu.

Activate	Activate the selected profile.
Change settings	Change profile settings such as Service center, Recipient, Status report, etc.
Rename	Rename the selected profile (if applicable).
Set urgency	Set default message urgency level. TDMA
Callback number	Set reply phone number for outgoing messages. TDMA
Privacy level	Set default privacy level (0-3). TDMA
Ack	Set default receipt action. TDMA

Service center GSM

Enter or modify service center phone numbers as supplied by service provider.

Recipient GSM

Enter the recipient for this transmission profile.

Message type

Manual selection	The message type is requested for each message.
Standard text	Normal SMS message.
E-mail	Transmission via SMS.
Fax	Transmission via SMS. GSM
New	You may need to obtain the required code number from your service provider. GSM

Validity period GSM

Select the period in which the service center tries to deliver your messages:

Manual selection, 1 day, 1 hour, 12 hours, 1 week, Maximum*, New

*Maximum period that the service provider permits.

Status report GSM

If selected, confirmation of delivery status is sent. There may be a charge for this service.

Direct accept GSM

When this function is activated, the reply to your message is handled via your service center. (For information please contact your service provider.)

SMS via GPRS GSM

When this function is activated, SMS messages are automatically sent via GPRS.

GPRS must be activated for this function to become available (p. 81).

Most service providers offer voice mail service. A voice message may be left when:

- the phone is off or not currently in service,
- a call is being made on the phone,
- you reject an incoming call and **Call forward** is activated for the incoming call type (p. 52) or
- you are on a call and **Call waiting** is not activated (p. 20).

If voice mail is not part of your service provider's user package, the settings will have to be entered manually. The procedures described below may vary according to the service provider.

Setup

Your service provider will supply you with two phone numbers, your wireless phone number, and a mailbox number which you call to retrieve your voice messages.

Voice mailbox number

To access your voice mail:

Menu ➔ **Messages** ➔ **Voice mailbox**

Use the left soft key to select the mailbox number from the address book, or enter the number and confirm with **Save**. If your voice message system is already set up, select the **Listen** soft key to dial your voice mailbox.

Forwarding number GSM

To forward unanswered incoming calls to your voice mailbox:

Menu ➔ **Call Forward** ➔ **(call type)** ➔ **Set**

Enter the voice mailbox number. (If the system is already set up, select the **Mailbox** soft key to enter the mailbox number.)

OK The change is registered.

Further information on call forward may be found on page 52.

Voice mail notification

A new voice mail may be signaled as follows:

Icon and beep.

or

The text message icon.

or

You receive an automatic announcement call.

To retrieve your voice messages:

Press and hold.
(You may also dial the number from the voice message folder or use the keypad to dial.)

Depending on your service provider, you may also access new messages by selecting the or soft key and then selecting the **Listen** soft key (p. 68).

Outside your home network, you may need to dial a different mailbox number and enter a password to access your mailbox.

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Cell broadcast messages

Some service providers offer information services or channels that provide information such as news, stock quotes, sports scores and more. This information is sent via a broadcast message which can appear on your phone's display. Availability of services varies among providers.

Menu ➔ Messages ➔ Cell broadcast

Broadcast

Cell Broadcast (CB) may be activated or deactivated. If CB service is activated, the operating time of the phone will be reduced.

Read new CB

All unread CB messages are displayed.

⊕ ⊖ Use the left side buttons to scroll. The message covers the entire display.

Topic list

The service provider offers CBs on a variety of topics. A variety of topics may be chosen from the "Topic index" list (p. 43). You may preset up to ten CB topics with channel number ID and name, with as many as five active at any one time.

New topic

If no topic index is available (see "Topic retrieval," page 43), a topic may be entered with its channel number. Confirm entry with OK.

If the topic index has already been transmitted, select a topic and confirm with OK.

Selecting from a list

Options Open list menu.

If a topic is selected from the list, it may be viewed, activated, deactivated, edited or deleted.

Auto display

With auto display activated, CB messages will automatically scroll across the phone's display when received.

The automatic display can be set for all messages, new messages, or be deactivated entirely.

To switch to full page view when a cell broadcast arrives:

(#) Press and hold, then select View CB.

Topic index

A list of currently available topics may be supplied by your service provider.

If not, CB channel numbers may be entered manually (see "Topic list," page 42). Consult your service provider for details.

CB languages

The language(s) of incoming CBs may be set according to preference.

Displays

New messages received on the topic.

Messages on the topic have already been read.

Highlighted phone numbers within cell broadcasts can be:

Dialed.

or

Options Stored in the address book.

Additional beep, page 71.

SIM services GSM

Your service provider may offer special applications such as home banking, stock quotes and more via the SIM card.

If you are registered for one of these services, the service name will appear at the top of the main menu or directly above the left soft key.

Icon of SIM services (example).

If there is more than one application, they will be displayed in the "SIM services" menu.

Menu ➔ SIM serv

With the SIM services menu, your phone is ready for the future and will support additions to your service provider's user package. For further information, contact your service provider.

Bitmap Viewer

Images may be transmitted to your phone via infrared or downloaded via WAP (GSM).

Receiving graphics

When a graphic is received, an icon appears above the left soft key. Selecting the soft key launches the Bitmap viewer and displays the graphic.

Storing graphics

Storing a graphic replaces the original icon of the home network's service provider.

Loading graphics

Menu ➔ Surf & fun ➔ Bitmap viewer

Bitmap viewer	Select soft key to open
Options	Select to open options menu.
Load...	Select.

Bitmap viewer menu

Options Select to open menu.

Save as...	Store current graphic in one of the storage locations or in the Flex. memory.
Send via ...	See page 87.
Load	Load graphic from storage location or Flex. Memory.
Discard	Discard the current graphic.

You may find custom ring tones, operator bitmaps, screensavers, logos and other options for your Siemens Mobile Phone at: **http://www.icm.siemens.com**

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Use your phone's WAP (Wireless Application Protocol) capability to access the wireless Internet. Internet access may require registration with your service provider.

Internet access

Menu ➔ **Surf & fun** ➔ **Internet**

You can select the Internet access profile (see **Start with...** page 46). The start menu appears, e.g.:

Select the required function

OK Confirm.

You can now surf the Internet...

Press and hold to end the connection.

Offline Online

No network

The current display is in the upper right corner.

Scroll page by page using the side keys.

Start menu (Example: Home)

Homepage	The connection to the Internet provider's portal is established (may be set/ preset by the service provider).
Bookmarks	List of up to 10 URLs for fast access stored in the phone (not supported by all service providers). Select **New entry** to enter a new URL. Use **OK** to complete, edit and delete entries.
Resume	Call up the visited pages that are still in the memory.
Profiles	Set up to five access profiles (p. 47). Select **New entry** to enter a new profile.
Exit browser	End browser and connection.

The soft keys may be assigned different meanings that are set from your service provider such as "links" or "menus".

The contents of the option menus are also variable.

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Browser menu

Menu access is only made when a WAP page is displayed (online or offline):

Press to start the browser menu. (You may also scroll up to the Openwave icon and select to launch the browser menu.)

Homepage	The first WAP Internet page that is displayed after connection is established (may have been set/preset by the service provider).
Bookmarks	Display up to 10 URLs for fast access stored in your phone (not supported by all service providers). Select **New entry** to enter a new URL. Use **Select** to complete, edit and delete entries.
Resume	Call up the visited pages that are still in the memory.
Go to URL	Enter an URL for directly accessing an Internet address (URL = Uniform Resource Locator).
Show URL	Show the URL of the current page.
Reload	The current page is restarted.
Disconnect	End connection.
More ...	See below.
Exit browser	End browser and connection.

More ...

Profiles	Set up to 5 access profiles (p. 47).
Reset	Delete the pages last visited (cache).
Channels	Access to services offered by your service provider.
Inbox	Incoming messages, for example, are stored here (depending on provider).
Outbox	For example, e-mails are stored here to be sent later (depends on the service provider).
Charge info	Display call duration and transmission speed.
Security	For secure data transmission some information is encrypted. All browser data relevant for security can be selected in this menu. Further information on security is found at: **www.icm.siemens.com**
Font size	Switch between small and standard font size.
Start with...	Select the display for Internet access: **Start menu** **Browser menu** **Homepage** **Resume** **Bookmarks**
About Openwave	Display the browser version.

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Setup

Preparation of the phone for Internet access depends on the service provider currently used:

- If the settings have already been made by your service provider you may begin immediately.
- If access profiles have been assigned by your service provider select a profile and activate it (p. 47).
- The access profile must be set and activated manually (p. 47).

If necessary, check with your service provider for details.

Profiles

You can set and change up to five access profiles (some of these may be disabled by the service provider). The entries and functions may vary depending on your service provider. You can change a profile each time before you access the Internet (p. 48).

Profile settings

Menu ➔ Surf & fun ➔ Internet ➔ Profiles

Select the profile set.

Edit The setup menu is displayed.

Select the menu items one by one and make your entries.

You may get further information on the entries from your service provider.

Profile name:	Name the profile or rename a default name.
WAP parameters	**IP address:** Enter the IP address. **Port:** Enter port number. **Homepage:** Enter humped (p. 47), if not set by the service provider. **Linger time:** Enter time in seconds when a connection should be terminated if no input or no data transfer takes place.
CSD / GPRS settings	See page 81. These are two methods the phone uses to send/receive information.

Edit Open menu.

Save The settings are stored and the profile list is displayed.

Special characters (as in the SMS text editor, p. 37)

Press ⊛ three times for /

Press # three times for @

Press 0 + for . (period)

Press 0 + repeatedly for :

Press ⊛ repeatedly for ~

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Activate profile

Activate

Activate a profile to establish the Internet connection.

Menu ➔ **Surf & fun** ➔ **Internet** ➔ **Profile**

Select the desired profile.

Select Select to activate. The connection is established.

or

Edit Edit the selected profile.

When the function has been completed, **Homepage**, **Bookmarks** or **Resume** are available to establish your connection.

Your Internet browser is licensed by:

OPENWAVE™

RSA™ SECURE

Surf also with GPRS (p. 81).

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Operating instructions

Changing the home page

The address of the home page is set in the (access) profile. You can change it in standby mode (if permitted by the service provider!):

Menu ➔ Surf & fun ➔ Internet ➔ Profiles

Select the profile:

e-Commerce Select.

Edit Select.

WAP parameters Select.

Edit Select soft key.

Homepage Select.

Enter new address.

Save Select.

Enter an Internet address (URL)

Menu access is made as soon as WAP pages are displayed (online or offline).

Open the browser menu.

Go to URL Select and confirm.

Enter URL and confirm. The connection is established.

Bookmarks

Depending on the service provider, you can store a list of your favorites with their Internet addresses (URL) in the phone (offline and online):

To store a bookmark

Open the browser menu.

Bookmarks Select.

Add bookmark Select to bookmark current page.

or

(Empty) Scroll to empty slot.

Edit Select soft key.

Enter the bookmark name with the keypad.

Use the lower button on the left side of the phone to scroll to the next field and enter the bookmark's URL with the keypad.

Done Select soft key.

Save Store bookmark.

To use a bookmark

Proceed as with "To store a bookmark" above.
In the list, highlight the stored bookmark and select Go. The connection is established.

Call Records

The numbers of incoming calls, outgoing calls and missed calls may be stored for convenient redialing.

Menu ➔ Records

Select desired call list and select a number.

Press to dial number.

The following call lists are available:

Missed calls

The phone numbers of missed calls may be stored for call-back purposes.

(Requirement: The networks used must support the "Caller ID" feature.)

Calls received

All accepted calls are listed.

(Requirement: The networks used must support the "Caller ID" feature.)

Calls dialed

Access the last phone numbers you dialed.

Press for fast access in standby mode.

Erase records

The contents of all call lists will be deleted (following confirmation).

Records menu

Options Open list menu.

View	Display entry with call time and date.
Correct no.	Change phone number.
Copy into	Copy selected entry to the address book.
Delete	Delete current call record.
Delete all	Delete all entries in the current call list (following confirmation).

Call Records

Your phone keeps a record of call duration and phone charge details, which you may access through the Records menu.

Duration

Menu ➔ Records ➔ Duration/charges

Call duration details for the following types of calls may be displayed:

Last call
All calls

Or when total amount is deactivated:

Last call
All outgoing
Remain. units GSM

Select a call type for duration information.

Select Display the data.

When displayed, you may do the following:

Reset Clear display.

OK End display.

You can set the conditions for which calls are forwarded to your mailbox or other numbers.

Menu ➔ Call Forward

Set call forwarding as follows:

In GSM mode, there are several settings for call forwarding.

Menu ➔ Call Forward

Unanswered
Select.

Select Select soft key.

Set Select.

Enter the phone number to which the call will be forwarded.

or

Select a number from the address book or select Mailbox.

OK Confirmation. After a short pause, the setting is confirmed by the network.

Unanswered

This setting covers the most common conditions. Others include:
Not reachable, No accept, Busy

All calls

Forwards all calls to selected number.

Icon appears in the top line of the display in standby mode.

Specific Call Forward

Not reachable

Forward if the phone is switched off or out of range.

No accept

A call is only forwarded after a delay (depends on the network). The period may be set by the user to a maximum of 30 seconds in intervals of 5 seconds.

Busy

Forward an incoming call.

Exception: If **Call waiting** is activated (p. 80), you will hear the call waiting tone during a call (p. 20).

Receiving fax

Fax calls are forwarded to a number with a fax connection.

Receiving data

Data calls are forwarded to a phone number with a PC connection.

To use call forwarding in TDMA mode:

Press *, 7PQRS, 1, then 1 + area code + phone number to which you want incoming calls forwarded.

Press to activate. You will hear confirmation tones. Press .

To deactivate:

Press *, 7PQRS, 1, 0 +.

Press . You will hear confirmation tones. Press .

Status check

You can check your phone's current call forward status.

After a short pause, the current situation is transmitted by the network and displayed.

☑ Option set.

☐ Option not set.

? Status unknown (for example, on a new SIM card).

Clear all

All call forward settings are cleared.

To check or delete a specific call forwarding option:

First, select the option.

Select	Select soft key.
Clear	Select soft key.
or	
Check status	Select soft key.

Note that call forwarding settings are stored in the network and not in the phone.

Reactivate call forward

Proceed as with **Set Call Forward**. The stored phone number is displayed and confirmed.

Change the phone number

Proceed as with **Set Call Forward**. When the stored number is displayed:

C Select and hold to delete the current forwarding number (or select briefly to clear one digit at a time).

Enter new number and confirm.

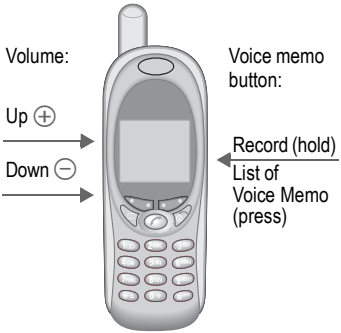
Voice recordings may be used to:

- Record voice memos (such as reminders or ideas).
- Add a voice memo to an alarm in the Calendar (p. 57).
- Record a call, which may be useful for remembering numbers or addresses.

The use of this feature may be subject to restrictions under criminal law or other legal provisions. Please inform the other party in advance if you intend to record the call. You may only use this feature if the other party consents to being recorded.

Recording a memo

We recommend using the buttons on the side of the phone to control the voice functions (in standby mode).



New record

Press and hold the voice memo button for the duration of the recording. After a short beep, the recording starts.

To pause the recording, release the voice memo button for up to 10 seconds. Press again to continue (or the recording stops automatically).

Stop/Save

The recording is stored when you stop pressing the voice memo key for more than 10 seconds, or when you select the Stop soft key. The default title for the memo is the time and date stamp. A different title may be assigned afterwards.

Play

Press the voice memo key and select from the menu (see p. 55).

Voice memo

Using the soft keys

Menu ➔ **Office** ➔ **Voice Memo**

The list of recorded memos is displayed.

Options Open menu.

New record Select.

Record Start recording

(**Pause** Pause recording).

Stop End recording.

Save Store and assign a name.

Voice memo menu

Options Open menu.

Play	Play the recording.
New record	Start a new recording.
Delete	Delete the selected memo.
Delete all	Delete all voice memo entries (following confirmation).
Rename	Replace the time stamp with a new title.

Calendar

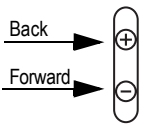
Menu ➔ Office ➔ Organizer ➔ Calendar

The Calendar offers a

- Monthly view.
- Weekly view.
- Daily view.

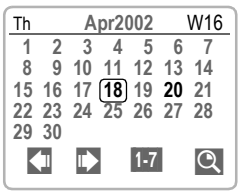
You must set the correct time and date for the Calendar to function properly (p. 82).

Side buttons



Scroll between weeks or months depending on the current view.

Monthly view

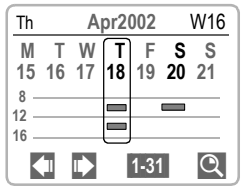


Scroll by the day.

1-7 Display the weekly view.

Display the daily view (agenda).

Weekly view



Scroll by the day.

1-31 Display monthly view.

Daily view (agenda).

Appointment. Time overlaps are highlighted.

Each day is divided into six blocks of four hours (morning + afternoon).

Agenda (Daily view)

Select soft key.

The agenda displays a single day's appointments in chronological order.

When an appointment with alarm is reached, you will hear a beep.

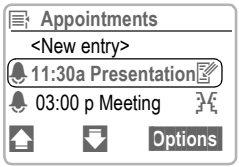
Synchronizing with Outlook®

With the Siemens Quick Sync software, you can synchronize your organizer with your Outlook® Calendar (p. 85).

Appointments

Menu ➔ Office ➔ Organizer ➔ Appointments

All schedule items are displayed in chronological order.



New appointment

<New entry> Select option.

Fill in the entries field by field:

Type:

- **Memo**. Add brief text.
- **Call**. Enter phone number.
- **Meeting**
- **Birthday**
- **Speech memo**

Description:
Enter a title for the appointment.

Reoccurrence:
Select the appointment's repeating status.

Start date:/End date:
Start date; end date if necessary.

Start time:/End time:
Start time; end time if necessary.

Save Store the appointment.

Appointments menu

Options Open menu.

View	Show appointment.
Activate/ Deactivate	Activate or deactivate selected appointment.
Edit	Open the entry for changes.
New entry	Add new schedule item.
Delete	Delete selected entry.
Delete all	Delete all entries (following confirmation).
Send/print	Send SMS/print via IrDA (see page 87).
Week beg Sun (Mo)	Set week to start Monday or Sunday.
Capacity	Display capacity and available space.

A total of 50 appointments may be entered. An alarm sounds even when the phone is off. Press any key to silence alarm. Deactivate all alarms (p. 65). **Ringer setting** (p. 71), **Clock** (p. 82).

Displays when alarm is active.

Pause Delays the alarm by 5 minutes.

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Alarm clock

Menu ➔ **Office** ➔ **Organizer** ➔ **Alarm clock**

Use this function to set a daily repeating alarm. Alarms sound even when the phone is switched off (except when the phone is in Airplane mode, p. 66).

On/off Activate and deactivate the alarm.

Change Display the selection: Time and days.

Time Set the time for the alarm call (hh:mm).

Days Set the days for the alarm call with **Change**.

Missed alarms

Menu ➔ **Office** ➔ **Organizer** ➔ **Missed alarms**

A list of schedule items with alarms that you have missed. Missed appointment details can be displayed.

Missed alarms menu

Options Open menu.

Available options include **View**, **Edit**, **Delete**, **Delete all** and **Send/print**.

Business Card

You may create your own business card and transmit it to another GSM phone (with IrDA capability) or a suitable PC/printer using infrared technology.

Menu ➔ **Office** ➔ **Business card**

If a business card has not been created, you are prompted for input.

Scroll through fields and enter your information.

The phone numbers can also be copied from the address book.

Last name:	**Fax:**
First name:	**Street:**
Company:	**Postal/ZIP code:**
E-mail:	**City, State:**
Phone:	**Country:**
Tel./office:	**URL:**
Tel./mobile:	

Save Save entry.

The content of the business card corresponds to international standards (vCard).

When you are sending a business card as an SMS, note that a maximum of 160 characters can be transmitted. If the card contains more than 160 characters, only the first 160 characters will be transmitted.

Business card menu

Options Open menu.

Edit	Add and/or edit business card information fields.
Send/print	Send SMS/print via IrDA (see page 87).

Calculator

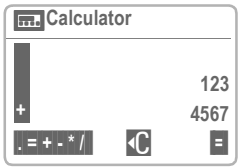
Menu ➔ Office ➔ Calculator

Enter number (up to 8 digits).

. = + - * / Select calculator function (repeatedly press the left soft key).

Repeat procedure with additional numbers (if necessary).

The result is displayed.



Calculator functions

. = + - * /	Select soft key repeatedly for:
.	Decimal point
=	Result
+	Addition
-	Subtraction
*	Multiplication
/	Division

Special functions

Press * or # repeatedly to:

±	Toggle between "+" and "-".
%	Convert to percentage.
	Save the number displayed.
	Retrieve the number saved.
e	Assign exponent (max. two digits).
0 +	Add (press and hold).

Currency Converter

Menu ➔ Office ➔ Currency conv.

You may store up to three different currency conversion combinations.

Enter exchange rate

Enter at least two currencies to be converted. If no currency has yet been entered, the procedure begins at this point.

OK Select soft key.

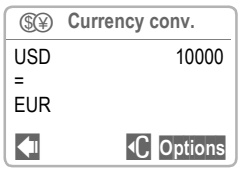
Enter the abbreviations for your own currency and for the foreign currency (for example, USD for U.S. dollars and EUR for Euro).

OK Select soft key.

Then...

Enter exchange rate.

OK Select soft key.



Soft keys:

. Set decimal point.

MR Retrieve a number that has been saved in the calculator.

C Deletes the symbol to the left of the cursor.

OK Save exchange rate.

Convert

Any combination of calculations may be made between the entered currencies.

Select a pair of currencies.

Options Open menu.

Start Confirm the two currencies.

Enter amount (up to 12 digits).

= The result is displayed.

Currency converter menu

OK Open menu.

Start	Start conversion.
New entry	Enter two new currencies with conversion rates.
Change	Begin input procedure with the two currencies selected.
Delete	Delete the two currencies.

Menu ➔ Office ➔ Clock

Time zones

Set the time zone for your area.

Select the appropriate time zone from the list.

Options Open menu.

Set Set the time zone.

Time zone menu

Options Open menu.

View	Display the time zone selected with name and date.
Set	Set the time zone.
Rename	Assign a new name to the time zone.
Auto timezone	The time zone is switched to local time automatically by the network.
DST	Activate/deactivate daylight savings time.

Time/Date

Menu ➔ Setup ➔ Time/Date

The clock must be set correctly once at start-up.

Change Select soft key.

Enter date, then time.

Format time

Set the time format to either 24-h Mode or 12-h Mode (for example, 18:00 or 6:00 p.m.).

Format date

Set the date format to:
DD.MM.YYYY or MM/DD/YYYY

Auto display

The time display can be switched on and off.

Auto off

The phone may be programmed to turn off at a set time each day.

Activate:

Time Select soft key.

Enter time.

OK Confirm.

Deactivate:

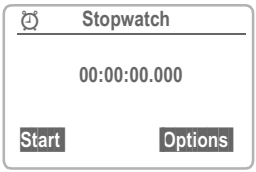
Manual Select soft key.

If the battery is removed for more than 30 seconds, the clock will be reset.

Stopwatch

Menu ➔ **Surf & fun** ➔ **Stopwatch**

Times can be measured to one thousandth of a second.



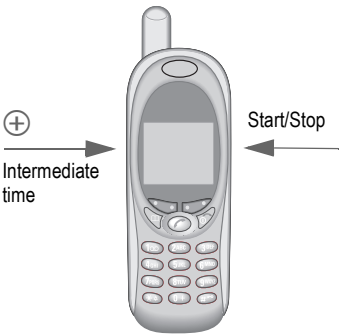
Reset Resets the display to zero (after completion of a timing).

(#) Start/stop.

(*) Intermediate time.

Two intermediate times may be marked and stored along with the last stop time.

Control using the side keys:



Stopwatch menu

Options Open menu.

Save	Record the time(s), including intermediate times, and assign a name.
Rename	Rename the entry selected.
Delete	Select the entry to be deleted.
Stopwatch list	Display the saved entries. **View**: Display the saved times and intermediate times.
Clear list	Delete the Stopwatch list.

Countdown

Menu ➔ **Surf & fun** ➔ **Countdown**

A timer counts down from a user-specified time. A beep sounds for each of the last 3 seconds. At the end, a special beep sounds.

Edit / **Set** Change countdown time or enter a new one.

Start Start counter.

Stop Stop counter.

Reset Reset counter to start time.

Games

Menu ➔ Surf & fun ➔ Games

Select a game and have fun!

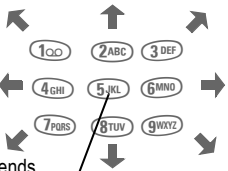
Game instructions

You will find special instructions for each game in the option menu.

Options Provides tips on how to play the game, shows the saved scores and allows you to set the difficulty level.

Start Start game.

Key control



A profile allows you to adjust your phone's settings to better suit your immediate surroundings. For example, when you are in a meeting or at the movies, you can select the "Quiet environment" profile. This turns off the ringer and activates vibrate alert or call screening.

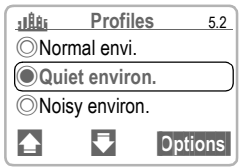
- There are five standard profiles with default settings pre-loaded into the phone:
  Normal envi., Quiet environ., Noisy environ., Headset, Car Kit
- There are two personal profiles that you can easily tailor to your personal needs (**<Empty>**).
- A special **Airplane mode** profile is fixed and cannot be changed (p. 66).

If the phone is used by several people, each can activate their own personal profiles.

Activate

Menu ➔ **Profiles**

Select a profile.



Options Open menu.

Activate Activate the profile.

Setup

Edit a standard profile's default settings or create a new personal profile:

Highlight profile.

Options Select soft key.

Change settings Select. Several functions appear in the menu.

Profiles menu

Options Open menu.

Activate	Activate the selected profile.	
Change settings	The following functions can each be set individually:	
	Ringer setting	p. 71
	Volume	p. 71
	Melodies	p. 71
	Silent alert	p. 71
	Call screening	p. 73
	Info tones	p. 73
	Key tones	p. 73
	Illumination	p. 74
	Big letters	p. 74
	When you have finished setting a function, you return to the profile menu. There you may change other settings.	
Rename	Rename the selected profile.	
Copy from	Copy all settings from another profile.	

Headset

If an original Siemens headset is used, the profile is activated automatically as soon as the headset is plugged in.

Car Kit

If an original Siemens car kit is used, the profile is activated automatically as soon as the phone is inserted in the cradle.

Airplane mode

All alarms are deactivated.

It is not possible to modify this profile.

- The phone will be turned off when you select this profile.
- In this status, alarms are **not** indicated by the ringer or vibration alarm.

Activate Airplane mode

Menu ➔ Profiles

Select Airplane mode.

Options Open menu.

Activate Activate the profile.

(Profile selection must be confirmed.)

The phone turns itself off automatically.

Normal operation

The next time you turn the phone on, you will be asked if you wish to return your phone to its default profile (normal mode).

Favorites

Menu ➔ Favorites

Combine your own menu with frequently-used functions and phone numbers.

The list of the 10 entries is preset, but you can change them.

Apply

Select the desired entry.

Options Select soft key, then select **Activate**.

Select Select soft key to launch.

If the selected entry is a phone number, you can also call with the Call key.

Change

You may replace each preset entry (1-10) with another entry from the list of your favorites.

Select the desired entry.

Options Select soft key, then select **Change settings**.

Select your new entry from the functions list.

Set Select soft key to assign.

When you select a phone number as a new entry, the address book opens for the selection.

If you set the left soft key to Favorites you can create a customized menu of features from the selection list. See page 68.

Reset

After confirmation and entering the phone code (if prompted), the default entries are reset.

Fast Access Keys

The left soft key and keys 2 - 8 can be assigned to quickly call a phone number or to launch a phone feature simply by pressing and holding a single key.

The left soft key may already have been programmed by your service provider. If so, this key assignment may be unmodifiable.

The soft key may sometimes be replaced with ✉ or ∞ to access new messages.

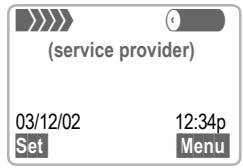
Functions available for Fast Key assignment:

- Phone number ..... p. 69
- Internet (GSM) ..... p. 45
- Bookmarks ..... p. 49
- Phone book ..... p. 28
- Calendar ..... p. 56
- Alarm clock ..... p. 59
- Calculator ..... p. 60
- Currency Conv ..... p. 61
- New SMS ..... p. 35
- Illumination ..... p. 74
- Hide ID ..... p. 80
- GPRS ..... p. 81
- IrDA ..... p. 82
- Games ..... p. 64
- Calls missed ..... p. 50
- Calls received ..... p. 50
- Inbox ..... p. 34
- Outbox ..... p. 34
- Favorites ..... p. 67
- Business card ..... p. 59

Left soft key

The **left** soft key can be used for fast access.

Set



Set Select (if not preset differently).

Scroll to an application in the list.

- Assign a new application (for example, **Games**) to the soft key.
- You may also assign a phone number. Select a name from the address book to assign it to the soft key.

Select Confirm setting.

Change

To change the feature of the left soft key, quickly select the left soft key.

Change Select the soft key.

Scroll to the desired feature.

Select Select soft key to assign fast key. You will see a confirmation of the new setting.

Speed dialing keys

Digit keys 2 through 8 may be set to speed dial important or frequently called numbers. For available key assignment see page 68.

The following keys are reserved:
1 oo = Voice mailbox (p. 41).
9 wxyz = Emergency calls (p. 4).

Set-up/Change

In standby mode:

Press and hold digit key (2-8).

If the key is not already assigned, the **Hotkey** menu will appear.

Scroll to select a function or **Phone number**.

Select Select soft key to assign Hotkey action.
(If you select **Phone number**, you will be taken to the address book to select a number.)

To change the action for an already assigned Hotkey.

Press number.

[action] Select soft key to select assigned function.

Change Select soft key to reassign Hotkey.

Clear speed dialing key

To clear a speed dialing key, press the key, then select the feature that is currently programmed (shown on the right soft key).

Change Select soft key.

Scroll to the "Empty" selection.

Select Select soft key.

Apply

To select a stored phone number or start a stored application:

In standby mode:

Press digit key.

The assignment of digit key is displayed instead of the standard right soft key. Select and hold soft key to launch function or place phone call.

Shortcut:

Press and hold desired digit key to begin action.

Quick menu selection

All menu functions are numbered internally. The relevant sequence of numbers is shown in the upper right corner of the display.

Enter the appropriate sequence of numbers to navigate directly to a desired function.

For example, to launch the calculator:

Menu Select soft key.

3 DEF Press for **Office**.

7 PQRS Press for **Calculator**.

Audio

Use the audio menu to customize your phone's sounds.

Menu ➔ Audio ➔ select a function:

Ringer setting

Turn the ringer on or off (or shorten it to a beep).

Displays when beep is activated.

Displays when all ringer tones are turned off.

Volume

Select the range:

Any call
Calls
VIP calls
Alarm
Messages
Cell broadcast GSM

Set volume.

OK Confirm.

Displays increasing volume.

Press and hold * to turn ringer on and off in standby mode.

Melodies

You can choose from 38 pre-loaded melodies and four additional melodies you have composed and stored yourself.

First select the type:

Any call
Calls
VIP calls
Alarm
Messages
Cell broadcast GSM

Then, select the melody. Samples play as you scroll through the menu.

OK Confirm.

Compose melody

You can also use your keypad to compose your own melodies.

Keys 1 to 7 correspond to whole notes:
C, D, E, F, G, A, B.

Go back and forward in the melody by one note.

Press to set note half a tone higher or lower.

Increase length of note or pause length.

Reduce length of note or pause length.

Use the left side keys to set a note one octave higher or lower.

Insert a pause.

Options The menu offers further functions:

Insert note, Delete note, Playback, Delete melody, Load melody, Save melody and Playback speed.

Melody manager

You can use this function to manage your melodies.

Menu ➔ **Audio** ➔ **Melodies** ➔ **Melody manager**

or

Menu ➔ **Surf & Fun** ➔ **Melody manager**

Load

To change, play and save a personally composed melody, load the melody from **Individual 1** – **Individual 4** or from the **Flex Memory** (p. 84).

Options Open menu.

Load Select option and assign storage location.

Save

Store a loaded melody in **Individual 1** – **Individual 4** or in **Flex Memory** (*.mid).

Play Listen to the melody.

Receive melody

A melody can also be sent to your phone via IrDA or WAP (GSM).

When a melody has been received, an icon appears above the left soft key.

Select this key to start the melody manager.

Ringer tones, operator bitmaps, screensavers and other services for your Siemens Mobile Phone can be found at: http://www.icm.siemens.com

Melody manager menu

Options Open menu.

Play	Play the current melody.
Save as...	Store melody in **Individual 1** – **Individual 4** or in **Flex Memory** (*.mid).
Send via ...	Send/print via SMS or IrDA (p. 87).
Load...	Load melody from **Individual 1** – **Individual 4** or from **Flex Memory**.
Delete...	Delete melody from **Individual 1** – **Individual 4**.

Call screening

Only calls from numbers that are listed in the address book are signaled (audibly or by silent alert). Other calls show only on the display.

As with any other calls, if you do not accept these calls, they are forwarded to your mailbox (p. 52).

Displays when call screening is activated.

Silent alert

To avoid being disturbed by the ringer, you can activate the silent alert (vibrating alarm) instead. The vibrating alarm and the ringer can also be active simultaneously, such as when you're in very noisy surroundings. The vibrating alarm is deactivated when the phone is connected to a Car Kit.

Key tones

Set key press tones to **Click**, **Tone** or **Silent**.

Minute beep

During a call, the phone sounds a beep after every minute as a reminder of the time elapsed.

Info tones

Activate or deactivate all service and alarm tones or use **Extended** to activate/deactivate tones.

The Setup menu allows you to set up a variety of your phone's most basic settings.

Device

Menu ➔ Setup ➔ Device ➔ select a function:

Language

Set the language of the display text. When "automatic" is set, the language of your service provider is used. If a language that you do not understand is set, the phone can be reset to the language of your service provider by entering the following characters:

*#0000# GSM

Display

Own greeting

You can create a greeting that is displayed when you switch on the phone.

Edit Activate and deactivate.

Delete old greeting and create a new one.

OK Confirm changes.

Screensaver

The screensaver shows a graphic on the display after a user-defined period of time. It protects the phone against unauthorized use, like the key lock (p. 75). An incoming call or a long press on # deactivates the function.

Options:

- Enable or disable the function.
- Set style: Special graphic, analog clock.
- Load graphic via **Bitmap viewer** (p. 44).
- Preview screensaver.
- Set timeout period for screensaver launch.
- Activate password query as security setting.

When the screensaver is activated, press any key to return to standby mode before dialing.

Illumination (Backlight)

The display illumination can be switched on and off (this affects the standby time).

Big letters

You can change the font size of the display.

Contrast

Sets the display contrast level.

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Menu ➔ Setup ➔
Device ➔
Select a function:

Keys

Any to answer

You can use any key to accept incoming calls (except or reject key).

Auto key lock

The key pad is automatically locked if one minute elapses since any key was last pressed. This prevents the phone from being used accidentally. However, you can still receive calls and make emergency calls.

The keypad can also be directly locked and unlocked.

Press and hold.

OK Confirm (only when phone is being turned off).

Key tones

Set key press tones to **Click**, **Tone** or **Silent**.

Status

Factory settings

The phone is reset to the default values (does not apply to SIM card and network settings).

Phone identity

The phone identity numbers (IMEI and ESN) are displayed. This information may be useful for customer service.

Fast search

Speeds up network reconnection, reducing standby time.

T9 input

T9 preferred

Select or deselect T9 Text Input as default setting.

T9 language

Select the language in which T9-composed messages will be written.

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Security

The use of security codes can protect the phone and SIM card from misuse.

Keep these confidential numbers in a safe place where you can access them again if required.

PIN	Protects your SIM card (personal identification number).
PIN2	This is needed to set the charge detail display and to access additional functions on special SIM cards.
PUK	Key code. Used to unlock SIM cards after the wrong PIN has been entered.
Phone code	Protects your phone. Must be entered at the first security setting (4 to 8 digits).

Menu ➔ Setup ➔ Security ➔ select a function:

Codes

PIN control GSM

Depending on your Service Provider, the PIN may be requested each time the phone is turned on. You can deactivate this feature but you risk unauthorized use of the phone.

Some service providers do not permit this function.

Change PIN GSM

You can change the PIN to any 4 to 8 digit number.

Enter **old** PIN.
OK Select soft key.
Enter **new** PIN.
OK Repeat **new** PIN.

Change PIN2 GSM

You can use the same process to change a PIN 2, if PIN 2 is available.

Change phonecode

You define and enter the phone code when you call up a phone code-protected function for the first time. It is then valid for all functions.
You can change it to any 4 to 8 digit number. If you forget it, please call Siemens Service (p. 91).

Clear SIM card barring

If the PIN is entered incorrectly three times, the SIM card is locked. Follow instructions and enter the PUK (MASTER PIN) your service provider has given you together with the SIM card. If MASTER PIN or PIN is lost, please contact your service provider.

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Menu ➔ Setup ➔ Security ➔ select a function:

Babysitter

(phone code protected)
Calls can be made only to a single, user-defined phone number, which is dialed by selecting and holding the soft key. (For more information, see page 23).

Only

(PIN2 protected)
The dialing options are restricted to numbers located on your Protected SIM; new entries cannot be made. If only area codes are entered, the relevant phone numbers can be added to these manually before dialing.

Depending on whether the SIM phone book is stored on the SIM card or in the phone, PIN 2 or phone code are requested before the entries can be changed.

Last 10 only

(phone code protected)
Outgoing calls are limited to the call list (p. 50) of the last 10 dialed numbers.

This SIM only GSM

(phone code protected)
It is possible to use a different SIM when this setting is activated, butyou will be prompted to enter the mobile phone code.

Network

Depending on the technology (GSM or TDMA) used, the descriptions of individual functions may vary.

Menu ➔ Setup ➔ Network ➔ select a function:

Configuration

Network info

The list of networks currently available is displayed.

Indicates forbidden service providers.

Choose network

A network search is initiated. This is useful if you are away from your home network or wish to register in a different network. The network information list is rebuilt.

Preferred network GSM

The backup service providers you prefer if your home service provider's network is not currently available.

When this function is activated, your home service provider is displayed first.

List Display list of preferred networks. You can edit this as required:

Create a new entry:

Empty Select Entry then scroll to a name in the list of the service providers and select it. (Your new choice will appear in the preferred list.)

Change or delete an existing entry:

[provider] Select Options and Delete to delete it, or select Change and scroll to another name from the list of service providers and Select.

Menu ➔ Setup ➔ Network ➔ Configuration ➔ User settings

User settings

Your phone can be operated in TDMA networks as well as in GSM networks. You can set one of these operational modes as standard or switch between the two modes automatically.

When turning on the phone for the first time, automatic selection is active.

- **Automatic selection**

When automatic selection is active, the most recently used network is searched and the phone determines whether a SIM card is inserted.

Depending on the status, the currently available network is displayed for selection.

- **GSM Only**

Only GSM networks will be used when a SIM card is inserted.

- **TDMA Only**

Only TDMA networks will be used when a SIM card is inserted.

Barrings GSM

Locking restricts the use of your SIM card (not supported by all service providers). You need a 4-digit password that your service provider supplies you. You may need to be registered separately for each lock.

Outgoing calls

All outgoing calls (except 911 and 112 emergency numbers) are barred.

Outgoing international

Only domestic calls can be made.

Outgoing international except home country

International calls are not permitted. However, you can make calls to your home country when abroad.

All incoming calls

The phone is barred for all incoming calls. (Forwarding all calls to the mailbox has a similar effect.)

When roaming

You do not receive calls when you are outside your home network. This means that no charges are incurred for incoming calls when roaming.

Status check

Displays information on your phone's lock status: lock is set, lock is not set or status is unknown (for example, with a new SIM card).

Clear all

All locks are cleared.

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User group GSM

Menu ➔ Setup ➔ User group ➔ select a function:

If offered by the service provider, this service enables groups to be formed. These have access, for example, to internal (company) information or special tariffs which apply to them. Check with your service provider for details.

User group

Activate or deactivate the function. "User group" must be deactivated for normal phone use.

Select group

You may select or add groups other than the preferred groups (see below). The service provider supplies you with code numbers for the groups.

Outgoing access

In addition to network control for a user group, it is possible to choose whether outgoing calls outside the group are permitted. If the function is deactivated, only calls within the group are permitted.

Preferred group

If activated, only calls within this standard user group can be made (depending on the network configuration).

During a Call

Menu ➔ Setup ➔ During a call ➔ select a function:

Call waiting

If you are registered for call waiting, you can confirm whether it is set. You can also activate or deactivate the function (p. 20).

Hide ID GSM

When you make a call, your number may be displayed on the recipient's phone (depending on the service provider).

To suppress this display, you may activate the "Hide ID" mode for the next call or for all subsequent calls. (You may need to register with your service provider for this function.)

Voice Privacy TDMA

When this function is activated, conversations and messages are encrypted with a special code which can only be interpreted by the service provider.

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Connectivity

Menu ➔ Setup ➔ Connectivity ➔ select a function:

GPRS

GSM

(**G**eneral **P**acket **R**adio **S**ervice)

GPRS is a new, faster method for transmitting data in the mobile network. If you use GPRS, you can be permanently connected to the Internet if the network capacities suffice. Advantages of GPRS include:

- WAP data is transmitted faster.
- E-mails are sent and received without loss of time.
- You can chat without long delays.

This service is not yet supported by all service providers.

GPRS
Your telephone is a modern device based on the latest GPRS technology. This technology is currently evolving and the networks are being built up at the present time. In the coming months, further increases in performance are planned. In order to ensure the GPRS functionality of your phone, Siemens is offering a software update free-of-charge, which you can easily carry out yourself. Your phone is then fit for the future.

Up-to-date information can be found at www.icm.siemens.com. You can also call us at 1-888-777-0211.

Switch GPRS off, Switch GPRS on

Activate or deactivate GPRS function for all relevant applications.

GPRS info

Displays information on your GPRS connectivity status.

GPRS settings	**APN:** Enter the address of your service provider. **Login name:** Enter login name. **Password:** Enter password (displayed as a series of asterisks)
CSD settings (Circuit Switch Data)	**Dial-up no.:** Enter ISP number. **Call type:** Select ISDN or Analog. **Login name:** Enter login name. **Password:** Enter password (displayed as a series of asterisks).

Menu ➔ Setup ➔ Connectivity ➔ select a function:

Serial Conn.

You will be prompted to choose either IrDA or Accessories for your phone's serial connection.

IrDA (infrared data port)

The infrared port integrated in the phone cannot be used unless the other device has a corresponding port. Align the infrared windows with each other (maximum distance is 12 in.).

Select Highlight IrDA to activate.

Display indicator (in standby mode):

When activated.

During transmission.

Accessories

Select Highlight Accessories to activate.

WAP browser

Select the desired profile from the list (p. 47).

Fax/data mode GSM

See page 86.

Authentication GSM

Activate or deactivate encrypted WAP dial-up.

Time/Date

Menu ➔ Setup ➔ Time/Date

The clock must be set correctly the first time you turn the phone on. (See page 62 for details.)

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Accessories

Menu ➔ Setup ➔ Accessories ➔ select a function:

Car Kit

If an original Siemens car kit is used, the profile is activated automatically as soon as the phone is connected to the car kit.

Adjustable settings:

Auto answer
(factory default: on)

Calls are automatically accepted after the third ring when the car's engine is running.

Headset

If an original Siemens headset is used, the profile is activated automatically as soon as the headset is plugged in.

Adjustable settings:

Auto answer
(factory default: off)

Calls are automatically accepted after the third ring. (You should be wearing the headset when this function is enabled.)

Caution! With auto answer enabled, incoming calls may be answered without your knowledge (for example, if you are distracted or are away from the phone).

Automatic settings:

- Accept call with the Call key on the phone (✆) or PTT button (Push To Talk) on the headset when the key lock is activated.
- Activate voice dialing with the PTT button (only when PTT headset is used).

Flex Memory

To organize your files, you can use Flex Memory just like a PC file manager. Flex Memory assigns special folders to different data types:

Menu ➔ **Surf & fun** ➔ **Flex Memory**

A list of folders and files is displayed.

Scroll up and down.

Go back to previous menu.

To open a highlighted file:

Open Select soft key.

Bitmap Start Bitmap viewer (p. 44).	*.bmp
Melodies Start melody manager (p. 72).	*.mid
SMS SMS messages (Out), SMS messages (In). The messages are displayed in the editor.	*.smo *.smi
Voice Memo Play back voice memos (p. 54).	*.vmo
Business card Stored in vCard format.	*.vcf
Alarm Stored in vCalendar format	*.vcs
Miscellaneous Other files.	*.*

Flex memory menu

Options Open menu.

Depending on whether you have highlighted a file or a folder, you are offered different options.

Open	Open folder.
Start	Start application according to the file format.
Mark/Unmark	Highlight files/remove highlighting.
Delete	Delete all highlighted files.
Delete all	Delete all entries. PIN must be entered.
New folder	Create and name a new folder (the folder must be on the same level).
Rename	Rename a highlighted file.
Send via ...	See page 87.
Sort	Set sort criteria (alphabetical, file type, chronological).
Attributes	Display information on the file or folder selected.
Drive info	Display the capacity used and available.

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XTNDConnect Sync software

With PC Synchronization software, contact and schedule information can be synchronized between your phone and Windows® Outlook® and Lotus Notes.

Software installation

Insert the CD-ROM into your PC's drive. Dialog boxes will guide you through the installation process.

Operating instructions

The PC Synchronization software offers detailed operating instructions and online help.

Connection

Phone and PC must be connected via infrared (IrDA) or cable. Cable connection and IrDA cannot be used simultaneously.

To ensure optimum data flow when connecting your phone to a computer with a cable, we recommend you use only original Siemens accessories (for example, Datacable).

Flexible memory

The phone has flexible memory is which may be used by various applications and adapts itself to your personal user profile.

The applications available are:

Flex Memory
Address book
Voice Memo
SMS-Archive
Melodies
Pictures

To ensure you have enough memory to keep your phone running smoothly, always delete data that is no longer needed.

Menu ➔ Setup ➔ Connectivity ➔ Fax/data mod.

When the phone is connected to a PC, you can transmit and receive faxes and data. Appropriate software for data/fax communication must be available on your PC and there must be a connection to the phone (for example, IrDA, page 82).

Fax and data services must be enabled by the service provider. Different networks support different types of fax/data reception. Contact your service provider for details.

Fax/data mode

Your service provider must provide you with a number for your telephone and a separate fax/data number.

Sending

Start your PC communication program and enter the required destination phone number in the program.

Receive

The call is signaled by a special ringer and the type of call (fax or data) is displayed.

Start the communication program in your PC to receive the fax/data.

Speech/fax

Sending

Menu ➔ Setup ➔ Connectivity ➔ Fax/data mode ➔ Send vce/fax

Set this function on the phone **before** transmission so that you can switch from voice mode to fax mode.

While the connection is being set up, the following soft key is briefly available:

Voice/fx Switch to Send vce/fax mode; you may now send a fax.

Receive

(Only if a special fax or data number is not available).
Start the required communication program in your PC and switch on the function at the phone **during** the call (the PC accepts the connection).

Menu ➔ Setup ➔ Connectivity ➔ Fax/data mode ➔ Voice/fax rec

End transmission

End transmission in the PC software and/or press .

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Send via ...

The phone offers several options to transmit or receive messages and data.

SMS

Address book entries, appointments, memos and other data can be sent as an SMS to other compatible mobile phones.

If necessary, larger messages may be split into several SMS messages.

IrDA

The infrared port integrated in the phone can only be used (see also page 82) when the destination device has a corresponding port.

This device can be a mobile phone, PDA, PC or printer.

Print via IrDA

You can use your phone to send messages or data to a printer with an infrared port.

Troubleshooting

Should you have any questions when using the phone, we are available 24 hours a day at **www.icm.siemens.com**. Below, we have also listed some of our frequently asked questions.

Problem	Possible causes	Possible solutions
Phone cannot be switched on.	On/Off key not pressed long enough.	Press On/Off key for at least two seconds.
	Dead battery.	Charge battery. Check charging indicator in the display.
	Battery contacts dirty.	Clean contacts.
	(See also below, under “charging error”)	
Standby time too short.	Frequent use of the organizer and games.	Restrict use if necessary.
	Fast search active.	Deactivate fast search (p. 75).
	Display illumination on.	Switch off display illumination (p. 74).
	Unintentional keystroke (illumination).	Activate key lock (p. 75).
Charging error (charge icon not displayed).	Battery totally discharged.	1) Plug in charger cable. 2) Wait approximately 5 - 10 minutes until the charge icon is displayed. 3) Charge for 2 - 3 hours.
	Temperature out of range: 32°F to 104°F (0 °C to 40 °C).	Make sure the ambient temperature is right, wait a while, then charge again.
	Contact problem.	Check power supply and connection to the phone. Check battery contacts and device interface, clean them if necessary, then insert battery again.
	No power supply.	Plug in to different socket or check voltage.
	Wrong charger.	Use only original SIEMENS accessories.
	Battery faulty.	Replace battery.
Card error.	SIM card not correctly inserted.	Make sure that the SIM card is correctly inserted (p. 11).
	SIM card contacts dirty.	Clean the SIM card with a dry cloth.
	SIM card with wrong voltage.	Use 3V SIM cards only.
	SIM card damaged (for example, broken).	Inspect the damage. Return the SIM card to service provider.

Troubleshooting

Problem	Possible causes	Possible solutions
No connection to network.	Signal weak.	Move to a higher elevation, to a window or open space.
	Outside range.	Check service provider coverage map.
	Fixed mode.	Switch mode to automatic (p. 79).
	SIM card not valid.	Reclaim at the service provider.
	New network not authorized.	Try manual selection or select a different network (p. 78).
	Network barring is set.	Check barrings (p. 79).
	Network overloaded.	Try again later.
Phone loses network.	Signal too weak.	Reconnection to another service provider is automatic (p. 78). Switching the phone off and on again may speed this up.
Communication difficult in car with hands-free function.	Ambient noise level too high.	Use Car Kit (Car Solutions, p. 95).
Calls not possible.	Dialing error.	New network not authorized (p. 78).
	New SIM card inserted.	Check for new restrictions.
	Charge limit reached.	Reset A/c limit with PIN 2 (p. 51).
	Credit used up.	Load credit.
Certain uses of the phone not possible.	Call restrictions are set.	Barrings may have been set by your service provider. (See p. 79.)
	The phone number has more than 20 digits.	Check phone number.
Entries cannot be made to Address book/Phone book.	Address book/Phone book is full.	Delete Address book/Phone book entries (p. 26).
Voice mail does not work.	Call forward to the mailbox is not set.	Set call forward to the mailbox (p. 52).
SMS (text message) flashes.	SMS memory full.	Delete messages (SMS) to free memory space (p. 34).
Function cannot be set.	Not supported by service provider or registration is required.	Contact your service provider.
Charge counter does not work (GSM).	Charge pulse not transmitted.	Contact your service provider.

Troubleshooting

Problem	Possible causes	Possible solutions
Message cannot be sent.	Some service providers do not support this service.	Check with your service provider.
	Phone number of the service center is not set or is wrong.	Enter or modify service center phone number (p. 39).
	SIM card contract does not support this service.	Contact your service provider.
	Service center overloaded.	Retry message.
	Addressee does not have a compatible phone.	Verify that addressee has a compatible phone.
PIN error.	Three incorrect entries.	Enter the MASTER PIN (PUK) provided with the SIM according to the instructions. If MASTER PIN or PIN has been lost, contact your service provider.
Phone code error.	Three incorrect entries.	Contact Siemens Service (p. 91).
Service provider code error.	No authorization for this service.	Contact your service provider.
Too few/too many menu items.	Functions may have been added or removed by your service provider via the SIM card.	Contact your service provider.
No fax possible.	Incorrect settings in the PC.	Check settings (p. 86).
	No authorization for this service.	Contact your service provider.
	Wrong infrared driver in the PC.	Install latest infrared driver.
	Mode set to “TDMA Only.”	Set “GSM Only” (p. 79)
Damage		
Severe shock.	Remove battery and SIM and insert them again. Do not dismantle the phone.	

Press * **# 9 9 9 9 #** to restore all settings to the factory default (in GSM mode) or to display the hardware and software versions for service information (in TDMA mode).

Further information can be found on the Internet at:

http://www.icm.siemens.com

Siemens Service

Simple, straightforward support for technical and operational questions is available from our online support service on the Internet:

www.icm.siemens.com

or in the Troubleshooting section of this User Guide (p. 88).

If repair work is necessary, please contact one of our service centers:

Abu Dhabi	0 26 42 38 00
Australia	18 00 62 24 14
Argentina	0 80 08 88 98 78
Austria	05 17 07 50 04
Bahrain	40 42 34
Bangladesh	0 17 52 74 47
Belgium	0 78 15 22 21
Brunei	02 43 08 01
Bulgaria	02 73 94 88
Cambodia	12 80 05 00
Canada	1 88 87 77 02 11
China	0 21 50 31 81 49
Croatia	0 16 10 53 81
Czech Republic	02 33 03 27 27
Denmark	35 25 86 00
Dubai	0 43 96 64 33
Egypt	0 23 33 41 11
Estonia	6 30 47 35
Finland	09 22 94 37 00
France	01 56 38 42 00
Germany*	0 18 05 33 32 26
Greece	01 06 86 43 89
Hong Kong	28 61 11 18
Hungary	06 14 71 24 44
Iceland	5 11 30 00
India	01 13 73 85 89 - 98
Indonesia	0 21 46 82 60 81
Ireland	18 50 77 72 77
Italy	02 66 76 44 00
Ivory Coast	80 00 03 33
Jordan	0 64 39 86 42
Kuwait	2 45 41 78
Latvia	7 50 11 14
Lebanon	01 44 30 43
Libya	02 13 50 28 82
Lithuania	2 39 77 79
Luxembourg	43 84 33 99
Malaysia	0 21 63 11 18
Malta	00 35 32 14 94 06 32
Mauritius	2 11 62 13
Morocco	22 66 92 32
Netherlands	0 90 03 33 31 00
Norway	22 70 84 00
Oman	79 10 12
Pakistan	02 15 66 22 00
Philippines	0 27 57 11 18
Poland	08 01 30 00 30
Portugal	8 00 85 32 04
Qatar	04 32 20 10
Russia	09 57 37 29 52
Saudi Arabia	0 22 26 00 43
Sharjah	0 65 33 66 42
Singapore	62 27 11 18
Slovak Republic	02 59 68 22 66
Slovenia	0 14 74 63 36
South Africa	08 60 10 11 57
Spain	9 02 11 50 61
Sweden	0 87 50 99 11
Switzerland	0 12 12 00 90
Taiwan	02 25 18 65 04
Thailand	0 22 68 11 18
Tunisia	0 71 86 19 02
Turkey	0 21 65 71 89 89
United Kingdom	0 87 05 33 44 11
USA	1 88 87 77 02 11
Vietnam	45 63 22 44
Zimbabwe	04 36 94 24

* 0,12 euro/minute

Declaration of conformity

Siemens Information and Communication Mobile hereby declares that the phone described in this user guide is in compliance with essential requirements and other relevant provisions of European Directive 1999/5/EC (R&TTE).

The declaration of conformity (DoC) concerned has been signed. Please call the company hotline if you require a copy of the original. The SAR recommendations of ICNIRP have been met.

Exposure to radiofrequency signals

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radiofrequency (RF) signals.

In August 1996, The Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

American National Standards Institute (ANSI) C95.1 (1992)
National Council of Radiation Protection and Measurement (NCRP) Report 86 (1986)
International Commission of Non-Ionizing Radiation Protection (ICNIRP) 1996
Ministry of Health (Canada) Safety Code 6

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards). For additional information concerning exposure to radio frequency signal, see the statement by the FDA at the end of this user guide.

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Technical data

GSM 900 class:	4 (33 dBm)
GSM 1900 class:	1 (30 dBm)
TDMA 800 class IV:	(0.6 W ERP)
TDMA 1900 class IV:	(0.6 W ERP)
Weight:	123g/4.3OZ
Dimensions:	118 x 46 x 21mm (94 cm^3)
Operating voltage:	3.8 Volts
Standby time:	
GSM:	Up to 200 hours
TDMA:	Up to 150 hours
Talk time:	
GSM:	Up to 300 minutes
TDMA:	Up to 150 minutes
SIM card:	3 Volt

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Maintenance tips

- The SIM card should be treated with the same care as a credit card. Do not bend or scratch it or expose it to static electricity.
- Clean the card with a damp cloth or an anti-static wipe without chemical cleaning agents.
- Protect the phone from moisture and shocks. Do not expose your phone to direct sunlight.
- Remove the battery if you are not going to use the phone for extended periods of time (more than one month).

Phone ID

You will need the following details if you lose your phone or SIM card. Please enter the number of the SIM card (found on the card):

.....

15-digit serial number of the phone (under the battery):

.....

Customer Service number of the service provider:

.....

Lost phone

If you lose your phone or SIM card, contact your service provider immediately to prevent misuse.

Accessories

Li-Ion Battery (850 mAh)

Travel Charger

Portable charger with automatic voltage selection (100 – 240 V) for international use.

Desk Top Charger

Dual-slot unit allows for charging of your phone and a spare battery.

Headset PTT

Optimum freedom of movement with excellent call quality. Including PTT (Push To Talk) button to accept calls and to activate voice dialing.

Belt Clip

Holds phone securely when not in use or when used with your headset.

Leather Case

Offers additional protection from dirt and outside damage.

Car Charger

Connects by simply plugging into the car's cigarette lighter socket (12/24 Volt).

Car Charger/Headset Adapter

Allows simultaneous usage of Headset and Car Charger.

Car Kit Portable

Hands-free kit with integrated loudspeaker, microphone and auto answer feature. Simply plug the kit into the car's cigarette lighter socket.

Mobile Holder

Secures the phone inside a car. Makes an ideal combination with the Headset PTT or the Car Kit Portable.

MP3 player USB

Stereo headset for handsfree talking and superior sound quality when playing MP3 audio files. The 32 MB MultiMedia Card records 30 minutes of music in premium quality. The package includes the software for downloading and the USB connecting cable.

Data Cable

To connect the phone with the RS 232 port on a PC.

For more information or to purchase accessories, visit our online shop at:

www.icm.siemens.com

We recommend you use only original Siemens accessories to avoid possible damage and ensure that the phone complies with all relevant regulations.

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The U.S. Food and Drug Administration's (FDA) Center for Devices and Radiological Health Consumer Update on Mobile Phones

FDA has been receiving inquiries about the safety of mobile phones, including cellular phones and PCS phones. The following summarizes what is know — and what remains unknown — about whether these products can pose a hazard to health, and what can be done to minimize any potential risk. This information may be used to respond to questions.

Why the concern?

Mobile phones emit low levels of radio frequency energy (i.e., radio frequency radiation) in the microwave range while being used. They also emit very low levels of radio frequency energy (RF), considered non-significant, when in the stand-by mode. It is well known that high levels of RF can produce biological damage through heating effects (this is how your microwave oven is able to cook food). However, it is not known whether, to what extent, or through what mechanism, lower levels of RF might cause adverse health effects as well. Although some research has been done to address these questions, no clear picture of the biological effects of this type of radiation has emerged to date. Thus, the available science does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence does not demonstrate adverse health effects associated with the use of mobile phones.

What kinds of phones are in question?

Questions have been raised about hand-held mobile phones, the kind that have a built-in antenna that is positioned close to the user's head during normal telephone conversation. These types of mobile phones are of concern because of the short distance between the phone's antenna — the primary source of the RF — and the person's head. The exposure to RF from mobile phones in which the antenna is located at greater distances from the user (on the outside of a car, for example) is drastically lower than that from hand-held phones, because a person's RF exposure decreases rapidly with distance from the source. The safety of so-called “cordless phones,” which have a base unit connected to the telephone wiring in a house and which operate at far lower power levels and frequencies, has not been questioned.

How much evidence is there that hand-held mobile phones might be harmful?

Briefly, there is not enough evidence to know for sure, either way; however, research efforts are on-going. The existing scientific evidence is conflicting and many of the studies that have been done to date have suffered from flaws in their research methods. Animal experiments investigating the effects of RF exposures characteristic of mobile phones have yielded conflicting results. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. In one study, mice genetically altered to be predisposed to developing one type of cancer developed more than twice as many such cancers when they were exposed to RF energy compared to controls. There is much uncertainty among scientists about whether results obtained from animal studies apply to the use of mobile phones. First, it is uncertain how to apply the results obtained in rats and mice to humans. Second, many of the studies showed increased tumor development used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously — up to 22 hours per day.

For the past five years in the United States, the mobile phone industry has supported research into the safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

1. In a hospital-based, case-control study, researchers looked for an association between mobile phone use and either glioma (a type of brain cancer) or acoustic neuroma (a benign tumor of the nerve sheath). No statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepithelliomatous tumors. It is possible with multiple comparisons of the same sample that this association occurred by chance. Moreover, the risk did not increase with how often the mobile phone was used, or the length of the calls. In fact, the risk actually decreased with cumulative hours of mobile phone use. Most cancer causing agents increase risk with increased exposure. An ongoing study of brain cancers by the National Cancer Institute is expected to bear on the accuracy and repeatability of these results.[1]

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2. Researchers conducted a large battery of laboratory tests to assess the effects of exposure to mobile phone RF on genetic material. These included tests for several kinds of abnormalities, including mutations, chromosomal aberrations, DNA strand breaks, and structural changes in the genetic material of blood cells called lymphocytes. None of the tests showed any effect of the RF except for the micronucleus assay, which detects structural effects on the genetic material. The cells in this assay showed changes after exposure to simulated cell phone radiation, but only after 24 hours of exposure. It is possible that exposing the test cells to radiation for this long resulted in heating. Since this assay is known to be sensitive to heating, heat alone could have caused the abnormalities to occur. The data already in the literature on the response of the micronucleus assay to RF are conflicting. Thus follow-up research is necessary. [2]

FDA is currently working with government, industry, and academic groups to ensure the proper follow-up to these industry-funded research findings. Collaboration with the Cellular Telecommunications Industry Association (CTIA) in particular is expected to lead to FDA providing research recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

Two other studies of interest have been reported recently in the literature:

- Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone signals. This was the only change noted among more than 20 variables compared.[3]
- In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however, they were more likely to be on the side of the head where the mobile phone was used. Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.[4]

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In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

What is known about cases of human cancer that have been reported in users of hand-held mobile phones?

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

What is FDA's role concerning the safety of mobile phones?

Under the law, FDA does not review the safety of radiation emitting consumer products such as mobile phones before marketing, as it does with new drugs or medical devices. However, the agency has authority to take action if mobile phones are shown to emit radiation at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of mobile phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions at this time, FDA has urged the mobile phone industry to take a number of steps to assure public safety. The agency has recommended that the industry:

- Support needed research into possible biological effects of RF of the type emitted by mobile phones;
- Design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health.

At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Health and Safety Administration
- National Telecommunications and Information Administration

The National Institutes of Health also participates in this group.

In the absence of conclusive information about any possible risk, what can concerned individuals do?

If there is a risk from these products — and at this point we do not know that there is — it is probably very small. But if people are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

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People who must conduct extended conversations in their cars every day could switch to a type of mobile phone that places more distance between their bodies and the source of the RF, since the exposure level drops off dramatically with distance. For example, they could switch to:

- a mobile phone in which the antenna is located outside the vehicle,
- a hand-held phone with a built-in antenna connected to a different antenna mounted on the outside of the car or built into a separate package, or
- a headset with a remote antenna to a mobile phone carried at the waist.

Where can I find additional information?

For additional information, see the following websites:

- Federal Communications Commission (FCC) RF Safety Program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"): http://www.fcc.gov/oet/rfsafety.
- World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As): http://www.who.int/emf
- United Kingdom, National Radiological Protection Board: http://www.nrpb.org.uk
- Cellular Telecommunications Industry Association (CTIA): http://www.wow-com.com
- U.S. Food and Drug Administration (FDA) Center for devices and Radiological Health: Http://www.fda.gov/cdhr/consumer/

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[1] Muscat et al. Epidemiological Study of Cellular Telephone Use and Malignant Brain Tumors. In: State of the Science Symposium; 1999 June 20; Long Beach, California.

[2] Tice et al. Tests of mobile phone signals for activity in genotoxicity and other laboratory assays. In: Annual Meeting of the Environmental Mutagen Society; March 29, 1999, Washington, DC; and personal communication, unpublished results.

[3] Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915- MHz simulated mobile phone signal on cognitive function in man. Int. J. Radiat. Biol., April 8, 1999.

[4] Hardell, L, Nasman, A, Pahlson, A, Hallquist, A and Mild, KH. Use of cellular telephones and the risk for brain tumors; a case-control study. Int. J. Oncol, 15: 113-116, 1999.

Ten Driving Safety Tips

Your Siemens wireless phone gives you the power to communicate by voice — almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. **Get to know your phone and its features such as speed dial and redial.** Carefully read your instruction manual and learn to take advantage of valuable features most phones offer including, automatic redial and memory dial — most phones can store up to 99 numbers in memory dial. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. **When available, use a hands-free device.** A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your phone or a speaker phone accessory, take advantage of these devices if they are available to you.
3. **Position your phone within easy reach.** Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. **Suspend conversations during hazardous driving conditions or situations.** Let the person you are speaking to know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
5. **Do not take notes or look up phone numbers while driving.** If you are reading an address book or business card while driving a car, or writing a "to do" list, then you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. **Dial sensibly and assess the traffic.** If possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip, or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip — dial only a few numbers, check the road and your mirrors, then continue.

7. **Do not engage in stressful or emotional conversations that may be distracting.** Stressful or emotional conversations and driving do not mix — they are distracting and even dangerous when you are behind the wheel. Make people you are talking with aware you are driving and if necessary, suspend phone conversations that have the potential to divert your attention from the road.
8. **Use your phone to call for help.** Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations — with your phone at your side, help is only three numbers away. Dial 9-1-1 in the case of fire, traffic accident, road hazard, or medical emergency. Remember, it is a free call on your wireless phone.
9. **Use your phone to help others in emergencies.** Your wireless phone provides you a perfect opportunity to be a "good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergencies where lives are in danger, call 9-1-1, as you would want others to do for you.
10. **Call roadside assistance or a special wireless non-emergency assistance number when necessary.** Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call to 9-1-1. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless numbers.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1 (888) 901-SAFE, or visit our Web site at:
www.wow-com.com

Provided by the Cellular Telecommunications Industry Association (CTIA)

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